JENSEN®

STANLEY





NEW

JTK-53 Deluxe Communications Kit
Our most versatile and complete communications kit.
See pg. 298



1/2" 24-Volt Heavy-Duty Drill/Hammerdrill
Combine drill and hammerdrill functions in one powerful tool.
Cat. #836-006 on pg. 240



NEW

Microscanner Pro
Cable verification and troubleshooting tool with a built-in TDR.
Cat. #559-070
on pg. 113



JTM-39 Full Function Clamp Meter
True RMS
Cat. #JTM-39
on pg. 71

FREE Same Day Shipping
See p. 3

Order Lines: 800-426-1194 / 602-453-3169
24 hr Fax: 800-366-9662 / 602-438-1690

Secure, Online Ordering: www.jensentools.com
24 hr/7 day FaxBack®: 602-453-2671



JENSEN®
Lifetime Guarantee

NEW

Electrician's Pliers

Jensen quality pliers meet or exceed the best brands on the market for durability, comfort and value. Each plier is tested to exacting ANSI specifications to ensure lasting quality. Constructed of high-quality 1060 alloy steel. 60RC nominal cutting edge hardness. Electronically induction hardened. Hand honed, precision-aligned cutting surfaces. Diamond-serrated plier jaws for high gripping power. Textured matte non-slip grip*. Jaws rated for ACSR, bolts, nails and most hardened wire. **671-510** features built-in crimping die for insulated and non-insulated terminals. **671-520** features a pulling groove for flat fishtape providing a safe grip and minimized pulling effort. **671-550** for crimping insulated and non-insulated splices, disconnects and wire joints, 22-14 AWG. **671-560** with 4/0 aluminum and 2/0 copper capacity. 1/2" opening. (USA)

Cat. No.	Description	Size	Each 1-5	6-11
671-500	Linemans Pliers, NE-style	9"	$21.95	$19.75
671-510	Linemans Pliers, w/Crimp Die	9"	29.95	26.95
671-520	Linemans Pliers, w/Fishtape Puller	9"	24.95	22.45
671-530	Linemans Pliers	8"	17.95	16.16
671-540	Diagonal Cutter	8"	17.95	16.16
671-550	Crimping Pliers, 22-14 AWG	9"	25.95	23.36
671-560	Hi Leverage Cable Cutter	9 1/2"	20.95	18.86

*Not electrically insulated - Do not use on live circuits.



JENSEN®

NEW

LanRover Cat5 Cable Tester

- **Tests for opens, shorts, reversals, mis-wires and split pairs**
- **Test results displayed on both main and remote**

When a connection from the main unit to the remote is sensed, testing begins automatically. The LED for each pair will either be ON, OFF or Flashing on both the main unit and remote. ON LED indicates a good pair, OFF LED indicates an open pair and a FLASHING LED indicates a bad pair. If a pair is bad, one or more of the fault LEDs will be flashing to indicate the type of fault. Holding down the tone button enters the debug mode. The pairs are stepped through one at a time to display connection and fault information on a pair by pair basis. A quick press of the tone button will induce a tone on all pairs, subsequent presses will cause a tone on one pair, advancing to the next pair in turn. Tests both STP and UTP cables and comes with a coax cable adapter for testing coaxial cables.

Cat. No.	Description	Each
414-011	LanRover Cat5 Cable Tester	$80.00

NEW



304-001

Fold-out Pocket Tool Sets

Compact tools fit your hand comfortably and feature full-size open-end wrenches. Individual components are constructed of high-carbon steel, tempered to a specific Rockwell hardness and nickel plated. Handle constructed of 0.070 cold rolled steel with a super-tough industrial quality black powder-coat finish. Includes 1/4, 1/8" slotted and #1 Phillips screwdrivers and 3/16" scratch awl. Fractional version includes 3/8, 7/16, 1/2, 9/16 and 5/8" wrenches. Metric version includes 10, 12, 13, 14, 15mm wrenches. (USA)

Cat. No.	Description	Each 1-5	6-11
304-001	Fold-out Pocket Tool Set, Fractional	$15.00	$13.50
304-002	Fold-out Pocket Tool Set, Metric	15.00	13.50

Your Satisfaction Guaranteed

30 Day Unconditional Guarantee You may return any product in this catalog purchased from Jensen Tools within 30 days for a full refund, credit or replacement. (Some exceptions apply. See Terms & Conditions on Order Form for details.)

Lifetime Guarantee on Jensen brand hand tools If any Jensen brand hand tool ever fails to give you complete satisfaction, simply return it to us for a free replacement.

Exclusive Jensen Quality Policy We will deliver defect-free products and services that conform to our customers' requirements by doing it right the first time.

We're Easy To Contact

Phone:
800-426-1194 or 602-453-3169
Mon. - Fri. 6:00 am - 5:30 pm MST

Fax:
800-366-9662 or 602-438-1690
24 hour/7 day

Mail:
7815 S. 46th Street,
Phoenix, AZ 85044

Online:
www.jensentools.com

E-Mail:
jensen@stanleyworks.com

Sales Offices:
Phoenix, AZ; Los Angeles, CA; Denver, CO; Danbury, CT; Washington, DC; Atlanta, GA; Chicago, IL; Dallas, TX

When in Phoenix, stop by and visit us at the Jensen Store and Showroom located at 7815 S. 46th Street, Phoenix, Arizona

International Sales:
Jensen ships worldwide. Our multi-lingual representatives will gladly assist you with all necessary documentation.

National Accounts:
Regional Sales Managers and account reps are on-hand to handle long-term contracts, blanket purchase orders and other special requirements.

Technical Support:
See page 4 for details.

Government Accounts:
Specially-trained personnel are available to address issues regarding FARs, GSA schedules, and other related topics.

Custom Kits and Cases:
Designed and developed to meet your specific needs (see page 5 for details).

Internet/On-Line Catalog:
Visit us at www.jensentools.com.
See page 4 for more details.

BICSI MEMBER · AEA Aircraft Electronics Association · Sponsor NSCA · Professional Aviation Maintenance Association PAMA · member CEDIA Custom Electronic Design & Installation Association

FREE Same Day Shipping

FREE SHIPPING:
Jensen pays ground shipping to any single destination in the continental U.S. for standard catalog orders over $100. A few items, as noted in catalog, are excluded from this offer (see Terms and Conditions on Order Form for details).

SAME DAY SHIPPING:
Orders for in-stock products received by 5:00 pm MST will be shipped same day via best surface method for established accounts or authorized credit card payments.

NEED IT TOMORROW?:
Take advantage of Jensen's priority shipping rates. Requests for overnight shipments received by 3:00 pm MST, and UPS Blue shipments (2nd day) received by 5:00 pm MST, will gladly be accommodated.

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Why Jensen Should Be Your First Choice

1 JENSEN®

Lifetime Guarantee

If any Jensen brand hand tool does not measure up to your quality requirements or give you complete satisfaction, simply return it to Jensen and we will replace it FREE OF CHARGE (see Order Form for details).

This is in addition to the unconditional 100% Satisfaction Guarantee on all products purchased from Jensen (see page 3).

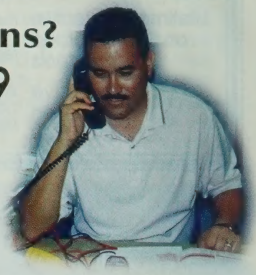


2 Technical Support and Product Information

Product Questions?

Call **602-453-3169**

Monday-Friday
7:00 am - 4:30 pm MST
E-Mail:
jensentech@stanleyworks.com



Our specially-trained Technical Support staff will be happy to answer your questions, offer applications assistance, or recommend solutions and products to meet your specific needs . . . before and after your purchase.

An easy-to-follow voice prompt guides you. Documents are delivered through fax machine in minutes.

FaxBack INC.

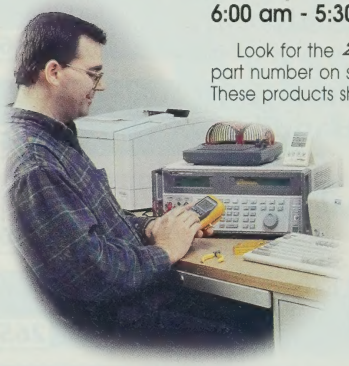
602-453-2671
24 Hours / 7 Days

3 In-House Calibration Certification

Call **800-426-1194**

Monday-Friday
6:00 am - 5:30 pm MST

Look for the 24 symbol next to the part number on selected test equipment. These products ship within 24 hours.





4 Purchase Online www.jensentools.com

(Fast·Easy·Secure)

- 24 Hours/7 Days
- Browse over 5,000 products
- Jensen has **five web sites** that support professionals in industries including **aviation, telecom, home wiring, shipping containers and cases.** See p. 294 for details!



bizrate.com® customer certified

Use your Jensen account or major credit cards. Visit often to see our most up-to-date products and promotions.
Technical Documents also available 24 hours/7 days Online

Here's a guide to the symbols in your new Jensen Catalog

ORIGINAL JTK JENSEN DESIGN

Your assurance of originality. We don't copy tool kits... *we create them!*

NEW

Exciting new products, many requested by you, the Jensen customer . . . some not available anywhere else!

24

Jensen calibrates and ships meters where this symbol appears within 24 hours.

GSA FSS Contractor

An easy way to identify items that are available on GSA and/or NSN contracts.

115VAC 230VAC

Items available in both 115VAC and 230VAC models, for U.S. and international use.

Products designed to be safe for use around static sensitive equipment

Your Jensen Tool Kit Mini-Guide

Jensen offers a wide range of kits. Use this guide to quickly find the kit that best meets your needs.



General Electronic	page 8
Electro-Mechanical	page 30
Industrial Mechanical	page 34
Bio-Medical Kits	page 35
Telecom Kits	page 36
Network & PC Kits	page 40
Create-A-Kit	page 48
Vantage Kits	page 50



JTK Quality and Originality

For well over 30 years, Jensen has led the industry in providing tool kits for the professional field service technician. The key ingredient to our success has been – and always will be – our commitment to quality and originality. Our JTK trademark signifies an original Jensen design and is the symbol that sets us apart from the rest.

In-Stock Tool Kits

Jensen offers a wide range of original Jensen JTK tool kit designs. Variations to our standard designs permit **over 160 in-stock, off-the-shelf tool kits** to choose from.

Substitutions Are OK!

Simply identify one of our in-stock tool kits that best suits your needs and add or delete items. Our customer service representatives are fully trained and available to assist you. Call 800-426-1194.

Custom Kits

Let us help you with your custom kit program. Every day, our Kit Team actively works with customers to design and build tool kits for unique requirements. For pallet layout design, custom foam cutouts, tool case fabrication, and building kits with your unique specifications of tools, labeling, logos, etc, please call us at 800-426-1194 with your requirements. **Most inquiries will receive a written quote within 24 hours!**

Jensen Guarantees and Warranties on Kits and Cases

30 Day Unconditional Guarantee

You may return any tool kit purchased from Jensen Tools within 30 days for a full refund, credit or replacement (see Terms and Conditions on Order Form for details).

Lifetime Guarantee on Jensen Brand Hand Tools

If any Jensen brand hand tool ever fails to give you complete satisfaction, simply return it to us for a free replacement.

3 Year Warranty

Jensen Polyethylene Cases

Polyethylene case shells are warranted against defects in materials and workmanship for three years from purchase date. (Tool pallets not included under warranty).

1 Year Warranty

Jensen Cordura® Plus and Aluminum Cases

Cordura® Plus case shells are warranted against defects in materials and workmanship for one year from purchase date. (Tool pallets not included under warranty).

1 Year Warranty

Latches and Handles

Latches and handles are warranted against defects in materials and workmanship for one year from purchase date.

Great Kits Start with Great Cases . . .





Optional divider system

Monaco™ Cases

Rotationally molded polyethylene ensures uniform thickness. Extra corner thickness, piano hinge, keylock latches and combination lock. Black epoxy-coated tongue and groove aluminum valance. Optional divider system helps keep your tool box organized. Constructed of four adjustable die cut plastic partitions.



Aluminum Cases with Lined Interior

Molded aluminum with chrome-plated latches and combination lock. Made to our specifications by Zero-Halliburton. Lightweight and strong. Piano hinge, tongue and groove closure with rubber gasket, and fully lined interior.



Deluxe Poly Cases

Vacuum formed high density polyethylene. Color won't fade, chip or rub off. Piano hinge, tongue and groove aluminum valance, chrome-plated locking latches, plus combination lock.



X-tra Rugged Rota-Tough™ Cases

Rotationally molded black polyethylene with uniform sides and walls, and raised reinforced ribs. Heavy-duty tongue and groove valance, full width piano hinge, lid document pouch, spring-loaded padded steel handle, positive closing 1/4-turn drawbolt style latches and combination lock.



Super Tough Cases

Vacuum formed .250" high density gray polyethylene. Molded-in stacking feature. Tongue and groove aluminum closure, chrome-plated keylock latches, padded steel core handle, and lid document pouch.



Rugged Duty Poly Cases

Military style case (NSN 5140-01-301-3988), in black or olive drab, vacuum formed of extra heavy .250" high density polyethylene. Color won't fade, chip or rub off. Heavy-duty tongue and groove aluminum valance, spring-loaded steel handle, lid document pouch, combination lock and padlock hasp.



Single Sided Cordura® Plus Cases

Features durable, long lasting Cordura Plus material, one large and two small outside pockets, heavy-duty double zippers, strong comfort grip handle, and D-rings for optional shoulder strap.



Double Sided Cordura® Plus Cases

The same features as the single sided cases *plus* two side compartments to carry up to four tool pallets or a combination of tools and test equipment/computers.



Triple Sided Cordura® Plus Cases

These cases offer the same features as the single and double sided cases, including two side compartments for up to four tool pallets, plus a middle section for test equipment/computer.

. . . and Jensen Offers the Industry's Best!



Lightweight Poly Cases

Vacuum formed lightweight, high impact black polyethylene. Tongue and groove aluminum valance, key and combination lock.



Waterproof Cases

Built to Jensen specifications by Pelican®. Airtight and waterproof with purge valve. Black cycolac resin construction. Padlock hasp.



Rota-Tough™ Cases

Rotationally molded tough polyethylene. Walls have uniform thickness with impact resistant corners. Black epoxy-coated tongue and groove aluminum valance, ball bearing lid stays, lid document pouch, piano hinge and keylock latches.





Roto-Rugged "Tote" Cases

Rotationally molded heavy-duty polyethylene shell. Four ball-bearing recessed rubber wheels. Locking handle telescopes to 41". Steel curb/stair skids on bottom. Key and combination lock. Available in 8, 10, and 12" depths.





Super-Roto "Tote" Cases

Rotationally molded heavy-duty polyethylene shell. Horizontal orientation helps keep tools in place. Two ball-bearing recessed rubber wheels. Locking handle telescopes to 37". Steel curb/stair skids on bottom, 1/4-turn drawbolt style latches and padlock hasp. Available in 10 and 12" depths.





Horizontal Tough "Tote" Cases

Vacuum formed, high density polyethylene shell. Molded-in bumpers, tongue and groove aluminum valance, spring-loaded steel handle, key locking latches, padlock hasp, telescoping friction-controlled tote handle and two wheels.

JENSEN® Pallets Complete the Package . . . Five Styles to Satisfy Every Need

Jensen tool pallets are constructed of top grade materials . . . *no corrugated cores.* When mixing and matching pallets, keep in mind that the pallet height and width must be the same as the case (case dimensions are listed on each kit page).



Side Hinged Pallets provide a three pallet configuration or a two pallet configuration with direct access to tools stored in the bottom of the case.



Bottom Hinged Pallets can only be interchanged with cases featuring bottom hinged pallets. Tools in the bottom of the case can be accessed easily simply by lifting up the bottom pallet.



Individual Pallets will interchange with any style as long as the height and width are the same. Bottom pallet lifts out easily.



Winged Pallets allow easy access to all tools. Some configurations feature removable wing pallets, giving you the option to carry these tools only when needed.



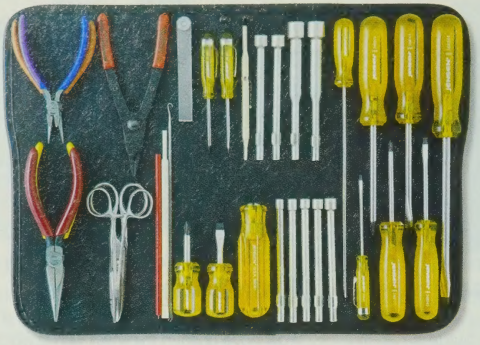
Quick Change (QC) Pallets are used in the majority of our soft cases and feature a specially designed clip that allows fast and easy pallet removal.

Fixed Pallets are sewn into some of the soft tool cases and are not removable.

Replacement Hardware for Cases. From time to time it may be necessary to replace various parts due to normal wear associated with use. Replacement part information is available 24 hours/7 days on our web site at www.jensentools.com and FaxBack service at (602) 453-2671, request document #38.

JTK®-87
Field Engineer's Kit

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690







JTK®-87 Tools



➥ Over 100 of our most requested tools

➥ Lifetime Guarantee on all JTK-87 hand tools

Over the years, customers like you have requested certain tools, pallet designs and cases. We've put these requests together in the JTK-87. You'll find all of the basic tools here - the essentials you need everyday on the job. A great selection of space-saving multi-purpose tools . . . plus specialty items.

All JTK-87 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

103 tools in all:
- *Alignment tools (2)*
- *Burnisher (pkg./3)*
- *DIP/IC extractor*
- *Feeler gauge*
- *File kit, (3 pc.)*
- *Hammer, ball peen, 4 oz.*
- *Handle, driver blades, (2): 4 1/8", "T"*
- *Handle, File*
- *Hemostat, straight, 5"*
- *Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"*
- *Hex key set, (10 pc.)*
- *Hex key fold up (7): 2-8mm*
- *Knife precision*
- *Knife blades*
- *Mirror, inspection*
- *Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"*
- *Outlet tester*
- *Parts box*
- *Penlight*
- *Pliers (7): diag. cutter 4 1/4"; diag. cutter 5 1/4"; groove joint 7"; groove joint 10"; long nose 4 3/4"; long nose with cutter 6 3/4"; retaining ring, external*
- *Pliers, locking, 5"*
- *Punch, center, 3/32"*
- *Punch, pin (2): 1/16, 1/8"*
- *Rule, stainless, 6"*
- *Scissors, electrician's*
- *Screwdrivers (13): Phillips offset ratchet, #0 x 2 1/2" pocket clip, #1 x 3", #2 stubby, #2 x 4"; slotted offset ratchet, 1/8 x 2" pocket clip, 1/8 x 3", 1/8 x 8", 3/16 x 3", 1/4" stubby, 1/4 x 4", 5/16 x 6"*
- *Screwdriver set, jeweler's, (7 pc.)*
- *Screwstarters (2): Phillips magnetic; slotted magnetic*
- *Scriber*
- *Solder aid, fork and reamer*
- *Solder aid, knife and brush*
- *Solder removal tool*
- Soldering iron*
- *Spring tool combination*
- *Tape measure, 12'*
- *Trimpot tool*
- *Tweezer, reverse action*
- *Wire crimper/stripper*
- *Wire stripper/cutter*
- *Wrench, adjustable, 6"*
- Tool case with pallets

*1 year warranty

JTK-87 Tools Only

Cat. No.	Description	Each 1-2	3-9
23-087R	JTK-87 Tools only	$365	$336



Metric Add-On Kits

➥ 25 metric tools ➥ Converts JTK-87 series inch kits to inch/metric

➥ JTK-87 metric kits on page 13

Cat. No.	Description	Size	Each
9023-030	Metric Tools w/Small Pallet for Standard Cases	17 3/4 x 12 3/4"	$122
9023-027	Metric Tools w/Large Pallet for Large Cases	17 3/4 x 14 1/2"	123
CK-87MM-C	Metric Tools in Black Cordura® Tri-Fold Case	10 x 6 x 1 1/2"	115
CK-87MM	Metric Tools w/o Pallet	–	99

Note: Use Tri-Fold case when your case will not accept a third pallet.

All Metric Conversion Kit tools are backed by Jensen's Lifetime Guarantee (See page 4)

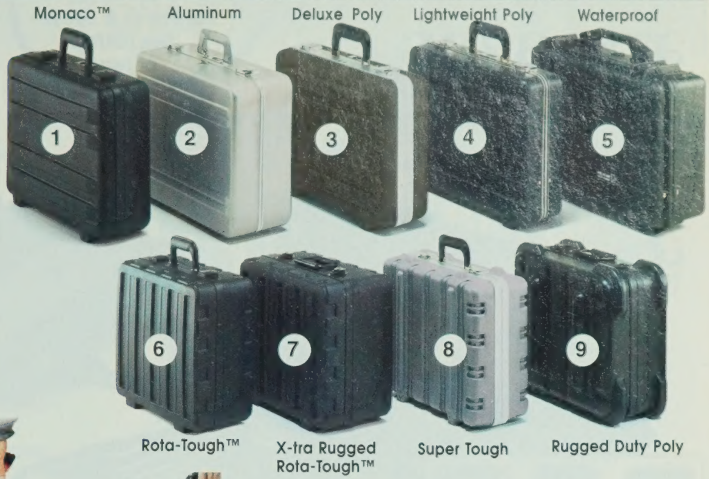
25 tools in all:
- *Feeler gauge, .038mm-.635mm*
- *Hex blades (7): 1.27mm-5mm*
- *Mini-nutdrivers (2): 3mm, 3.5mm*
- *Nutdriver blades (10): 4mm-11mm*
- *Pin punches (3): 1mm-3mm*
- *Rule, 15cm*
- *Wire crimper/stripper*

JTK®-87 CASES

ORIGINAL JTK® JENSEN DESIGN

➥ For complete descriptions of the cases pictured, see pages 6 and 7

3 Year Warranty on all Jensen Polyethylene cases (see page 5)













JTK®-87 Kit Guide

†NSN: Call 800-426-1194 for current number

	Cat. No.	Case Style (Ref. Pg. 6-7)	Page No.	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
	JTK-87M	Monaco™, Regular	–	1	17 3/4 x 12 3/4 x 5"	19	Individual	$535	$492	377-326	$170
	JTK-87DM	Monaco™, Deep	–	1	17 3/4 x 12 3/4 x 7"	21	Side	545	501	377-328	180
	JTK-87A	Aluminum, Regular	–	2	18 x 13 x 6"	22	Individual	715	658	2-587	355
	JTK-87DAS	Aluminum, Deep	–	2	18 x 13 x 7 1/4"	21	Side	765	704	2-787	410
	JTK-87LXP	Deluxe Poly, Regular	–	3	17 3/4 x 12 3/4 x 5"	21	Individual	510	469	377-620	145
	JTK-87LDXP	Deluxe Poly, Deep	–	3	17 3/4 x 12 3/4 x 8"	21	Side	520	478	377-750	155
	JTK-87XPM	Deluxe Poly, Regular (metric)	13	3	17 3/4 x 12 3/4 x 5"	21	Individual	545	501	377-620	145
	JTK-87L3DXP	Deluxe poly, Deep (inch/metric)	13	3	17 3/4 x 12 3/4 x 8"	25	Side	635	584	377-680	175
†	JTK-87P	Light Poly, Regular	–	4	17 3/4 x 12 3/4 x 4 3/4"	18	Individual	495	455	54-374	135
	JTK-87DP	Light Poly, Deep	–	4	17 3/4 x 12 3/4 x 6 1/2"	21	Side	505	465	54-087	145
	JTK-87WP	Waterproof Case	12	5	17 3/4 x 12 3/4 x 6 1/2"	21	Individual	605	557	432-521	240
	JTK-87RT	Rota-Tough™, Regular	–	6	17 3/4 x 14 1/2 x 6"	20	Individual	535	492	377-859	170
	JTK-87DRT	Rota-Tough™, Deep	–	6	17 3/4 x 14 1/2 x 8"	24	Side	545	501	377-858	180
	JTK-87FLK6	Rota-Tough™, Deep	12	6	17 3/4 x 14 1/2 x 8"	30	Side	3200	3104	377-653	220
	JTK-87FLK5	Rota-Tough™, Deep	12	6	17 3/4 x 14 1/2 x 8"	30	Side	1695	1644	377-653	220
	JTK-87TEK4	Rota-Tough™, Deep	12	6	17 3/4 x 14 1/2 x 8"	35	Side	3975	3856	377-653	220
	JTK-87RTF	Rota-Tough™, Deep	12	6	17 3/4 x 14 1/2 x 8"	24	Side	585	538	377-653	220
	JTK-87XRRT	X-tra Rota-Tough™, Deep	–	7	17 3/4 x 14 1/2 x 10"	24	Side	565	520	377-227	200
†	JTK-87S	Super Tough, Regular	–	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	515	474	377-885	150
	JTK-87DS	Super Tough, Deep	–	8	17 3/4 x 14 1/2 x 9 1/4"	22	Side	525	483	377-886	160
	JTK-87DST3	Super Tough, Deep (inch/metric)	13	8	17 3/4 x 14 1/2 x 9 1/4"	26	Side	645	593	377-888	180
	JTK-87R	Rugged Duty, Olive	–	9	17 3/4 x 14 1/2 x 9"	24	Side	550	506	356-870	185
	JTK-87RB	Rugged Duty, Black	–	9	17 3/4 x 14 1/2 x 9"	24	Side	550	506	356-871	185
	JTK-87RIM	Rugged Duty, Olive (inch/metric)	13	9	17 1/4 x 14 1/2 x 9"	27	Side	665	612	356-087	200
†	JTK-87WW	Roto-Rugged "Tote"	11	10	17 3/4 x 14 1/2 x 8"	26	Side	675	621	377-870	310
	JTK-87WT	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 10"	26	Side	680	626	377-247	315
	JTK-87WR	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 12"	26	Side	685	630	377-248	320
	JTK-87HR	Super-Roto "Tote"	-	11	17 3/4 x 14 1/2 x 10"	26	Side	675	621	54-006	310
	JTK-87HRT	Super-Roto "Tote"	-	11	17 3/4 x 14 1/2 x 12"	26	Side	680	626	54-007	315
	JTK-87TT	Horizontal Tough "Tote"	11	12	17 3/4 x 14 1/2 x 10"	22	Side	595	547	356-409	230
	JTK-87TTD	Horizontal Tough "Tote", Deep	11	12	17 3/4 x 14 1/2 x 12"	24	Side	605	557	356-414	235
†	JTK-87BC	Double Cordura, Black	10	14	17 3/4 x 12 1/2 x 6"	16	Fixed	505	465	216-087	139
	JTK-87QC	Triple Cordura, Black	10	15	17 3/4 x 12 3/4 x 11"	19	Quick Change	560	515	216-870	195

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-87BC
Field Engineer's Zipper Kit

For Prices & Specs - See bottom of page!

➥ **Over 100 quality tools (see page 8 for complete listing)**

Three outside storage pockets - one measures 16 x 11½ x 2" and two measure 8 x 11½ x 2". Complete with D-rings for use with optional shoulder strap.



Shown with Optional Meter



Optional Meters begin on page 70

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87QC
3-Sided Tool Kit

➥ **Pallets are removable and interchangeable with standard size 17¾" and 12¾" cases. Call 1-800-426-1194 for assistance.**

This durable Cordura case provides plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17¾ x 12½ x 5½") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17¾". D-rings attached for optional shoulder strap.

Meter not included





Business materials not included

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-87BC	Field Engineer's Zipper Kit	Double Black Cordura	14	17 x 12½ x 6"	16	Fixed	$505	$465	216-087	$139
	JTK-87QC	3-Sided Tool Kit	Triple Black Cordura	15	17¾ x 12¾ x 11"	19	Quick Change	560	515	216-870	195
	216-113	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

* for JTK-87QC only

JTK®-87WW

Roto-Rugged "Tote" Tool Kit with Built-In Luggage Cart

- Our most rugged wheeled tool case
- Handle collapses for easy transport and storage
- See pages 6-7 for full case description
- Available in 8, 10 and 12" depths

For Prices & Specs - See bottom of page!




JTK-87WW

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

†NSN: Call 800-426-1194 for current number

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87TT

Horizontal Tough "Tote" Tool Kit

- Over 100 quality tools (see page 8)
- Horizontal design keeps tools in place
- Available in 10" and 12" depths
- See pages 6-7 for full case description





3 Year Warranty on all Jensen Polyethylene cases (see page 5)



Master Lock.

Secure Your Tool Kit

Cat.No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95



Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-87WW	"Tote" Tool Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 8"	26	Side	$675	$621	377-870	$310
JTK-87TT	"Tote" Tool Kit	Horizontal Tough "Tote"	12	17 3/4 x 14 1/2 x 10"	24	Side	595	547	356-409	230
JTK-87TTD	"Tote" Tool Kit	Horizontal Tough "Tote", deep	12	17 3/4 x 14 1/2 x 12"	26	Side	605	557	356-414	235

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690

JTK®-87 Tool and Test Combination Kits

For Prices & Specs - See bottom of page!

- Toughest carrying case available
- Specially designed pallet holds meter
- Foam-filled compartment protects scope

Available with or without test equipment or tools, our selection of JTK-87 kits with the latest in diagnostic technology supply the field engineer with maximum capabilities. Internal foam filled/lined compartment measures 14 1/2 x 11 1/2 x 4".

The Ultimate Troubleshooting Centers



JTK-87FLK6 includes Fluke 196 and 89 as shown

3 Year Warranty on all Jensen Polyethylene cases (see page 5)



JTK-87TEK4 includes Tek Scope THS720A and Fluke 187

For complete details on these scopes see pages 71, 72, 84 and 86

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87WP

Waterproof Tool Kit

- Over 100 quality tools (see page 8)
- Waterproof – it floats
- Airtight with purge valve

This rugged airtight, waterproof case provides the ultimate protection for your tools and equipment. Provides extra protection when working on or around the water. Tough cycolac resin construction won't dent, crack or corrode.

Case may also be ordered with any other Jensen kit which offers a case with same dimensions and a maximum of two tool pallets. Call 800-426-1194 for assistance.

3 Year Warranty on all Jensen Polyethylene cases (see page 5)



Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-87FLK6	Kit with Fluke 196 & 89	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	30	Side	$3200	$3104	377-653	$220
JTK-87FLK5	Kit with Fluke 123 and 26 DMM	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	30	Side	1695	1644	377-653	220
JTK-87TEK4	Kit with Tek THS720A & Fluke 187	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	35	Side	3975	3856	377-653	220
JTK-87RTF	Kit w/o Test Equipment	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	24	Side	585	538	377-653	220
JTK-87WP	Waterproof Tool Kit	Waterproof	5	17 3/4 x 12 3/4 x 6 1/2"	21	Individual	605	557	432-521	240

JTK®-87
Inch/Metric Tool Kit

- For techs who work on foreign and domestic equipment
- Three pallet case styles
- Over 125 top quality tools, including JTK-87 tools and metric tools listed on page 8

For Prices & Specs - See bottom of page!

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

ORIGINAL JTK® JENSEN DESIGN



JTK-87RIM JTK-87DST3 JTK-87L3DXP



JTK-87RIM

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87
Metric Tool Kit

- Inch measure tools have been replaced with their metric equivalent
- Popular with international technicians
- Available with Soldering Iron

All of the inch measure fastening tools from the standard JTK-87 have been replaced with their metric equivalents.
In addition to the Deluxe Poly Case shown, this case is also available in an 8" depth. Call 800-426-1194 for information.

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

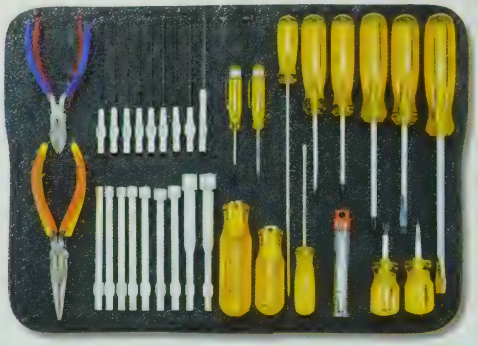
ORIGINAL JTK® JENSEN DESIGN



JTK-87XPM

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-87RIM	Inch/Metric Kit	Rugged Duty Poly	9	17 3/4 x 14 1/2 x 9"	27	Side	$665	$612	356-087	$200
JTK-87DST3	Inch/Metric Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/2"	26	Side	645	593	377-888	180
JTK-87L3DXP	Inch/Metric Kit	Deluxe Poly	3	17 3/4 x 12 3/4 x 8"	25	Side	635	584	377-680	175
JTK-87XPM	Metric Kit w/115V Iron	Deluxe Poly	3	17 3/4 x 12 3/4 x 5"	21	Individual	545	501	377-620	145
24-087	Metric Tools only w/115V Iron	–	–	–	11	–	390	359	–	–

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JTK®-17 Tools

ORIGINAL JTK JENSEN DESIGN

- Over 100 of the most requested tools for general electronic tasks
- Lifetime Guarantee on all JTK-17 hand tools

Over the years, the JTK-17 has been imitated, even duplicated, but never equaled. This multi-purpose kit was Jensen's first entry into the tool kit market. It was a huge success then and still is today. Widely used in industry and government.





Additional specialty tools (included)

All JTK-17 Tools are backed by Jensen's Lifetime Guarantee (see page 4)

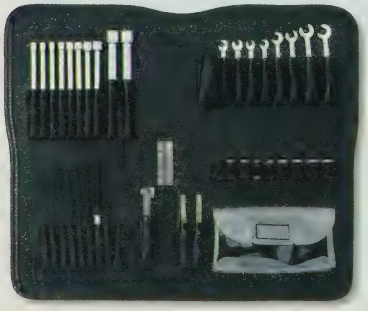
106 tools in all:
- *Alignment tools (2)*
- *Feeler gauge*
- *Hammer, ball peen, 4 oz.*
- *Handle, driver blades (2): 3 1/8, 4 1/8"*
- *Hex key set (10), .028-5/32"*
- *Hex key set (7): Fold up 1.5–6mm*
- *Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"*
- *Icepick scribe*
- *Knife, electrician's*
- *Mirror, inspection*
- *Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"*
- *Penlight w/batteries*
- *Pliers (6): diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4"; long nose with cutter, 6 3/4"; retaining ring, external/internal*
- *Punch, center, 3/32"*
- *Punch, Pin (2): 1/16, 1/8"*
- *Rule, stainless, 6"*
- *Screwdriver, offset ratchet, Phillips/slotted*
- *Screwdriver, Phillips #0 x 2 1/2", pocket clip*
- *Screwdriver, Phillips (3): #1 x 3"; #2 x 1 1/4"; #2 x 4"*
- *Screwdriver, slotted 3/32 x 2", pocket clip*
- *Screwdriver, slotted (6): 1/8 x 4"; 1/8 x 8"; 3/16 x 3"; 1/4 x 1 1/4"; 1/4 x 4"; 5/16 x 6"*
- *Screwdriver set, jeweler's, (7 pc.)*
- *Screwstarter, Phillips/slotted*
- *Socket set, 1/4" drive, (14 pc.)*
- *Solder aid, fork and hook*
- Soldering iron, 115V*
- *Spring tool, pull*
- *Spring tool, push*
- *Tweezer, reverse action*
- *Wire crimper/stripper*
- *Wire stripper/cutter*
- *Wrench, adjustable (2): 4"; 8"*
- *Wrench set, ignition, (8 pc.)*
- Tool case with pallets

*1 year warranty

JTK®-17 Tools Only

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Each 1-2	3-9
† 23-017R	JTK-17 Tools only	$315	$290



Metric Add-On Kits

- 40 metric tools
- Converts JTK-17 series inch kits to inch/metric
- JTK-87 metric kits on page 13

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Size	Each
9023-004	Metric Tools w/Standard Pallet	17 3/4 x 12 3/4"	$117
9023-018	Metric Tools w/Large Pallet	17 3/4 x 14 1/2"	118
CK-17MM-C	Metric Tools in Black Cordura® Trifold Case	10 x 6 x 1 1/2"	105
† CK-17MM	Metric Tools w/o Pallet	–	90

Note: Use Trifold case (CK-17MM-C) when your case will not accept a third pallet.

All Metric Conversion Kit tools are backed by Jensen's Lifetime Guarantee (See page 4)

40 tools in all:
- *Feeler gauge blades: .038-635mm*
- *Hex blades (7): 1.27-5mm*
- *Ignition wrenches (8): 4-9mm*
- *Mini-nutdrivers (2): 3, 3.5mm*
- *Nutdriver blades (10): 4-11mm*
- *Pin punches (2): 1, 3mm*
- *Rule, 15cm*
- *Socket set, 1/4" drive (9): 4-12mm*

JTK®-17 CASES

➥ For complete descriptions of the cases pictured, see pages 6 and 7

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

ORIGINAL JTK® JENSEN DESIGN







†NSN: Call 800-426-1194 for current number

JTK®-17 Kit Guide

	Cat. No.	Case Style (Ref. Pg. 6-7)	Page No.	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
	JTK-17RL	Monaco, Regular	–	1	17 3/4 x 12 3/4 x 5"	20	Individual	$485	$446	377-851	$170
	JTK-17DRL	Monaco, Deep	–	1	17 3/4 x 12 3/4 x 7"	21	Bottom	495	455	377-849	180
†	JTK-17A	Aluminum, Regular	–	2	18 x 13 x 6"	21	Individual	670	616	2-517	360
	JTK-17DA	Aluminum, Deep	–	2	18 x 13 x 7 1/4"	20	Individual	720	662	2-717	405
	JTK-17LXP	Deluxe Poly, Regular, Black	–	3	17 3/4 x 12 3/4 x 5"	20	Individual	460	423	377-460	145
	JTK-17LHXP	Deluxe Poly, Deep, Gray	–	3	17 3/4 x 12 3/4 x 8"	20	Bottom	470	432	377-520	155
	JTK-17DXP3	Deluxe Poly, Deep, Gray	18	3	17 3/4 x 12 3/4 x 8"	24	Bottom	595	547	377-173	185
†	JTK-17P	Lightweight Poly, Regular	–	4	17 3/4 x 12 3/4 x 4 3/4"	18	Individual	450	414	54-174	135
	JTK-17DP	Lightweight Poly, Deep	–	4	17 3/4 x 12 3/4 x 6 1/2"	18	Bottom	455	419	54-173	140
	JTK-17DP3	Lightweight Poly, Deep	18	4	17 3/4 x 12 3/4 x 6 3/4"	22	Bottom	570	524	54-175	165
	JTK-17WP	Waterproof	–	5	17 3/4 x 12 3/4 x 6 1/2"	20	Individual	560	515	432-522	245
	JTK-17RT	Rota-Tough™, Regular	–	6	17 3/4 x 14 1/2 x 6"	20	Individual	485	446	377-852	170
	JTK-17DRT	Rota-Tough™, Deep	–	6	17 3/4 x 14 1/2 x 8"	19	Bottom	495	455	377-853	180
	JTK-17XRRT	X-tra Rota-Tough™, Deep	–	7	17 3/4 x 14 1/2 x 10"	22	Individual	525	483	377-265	210
	JTK-17RRT3	X-tra Rota-Tough™, Deep	18	7	17 3/4 x 14 1/2 x 10"	24	Side	630	580	377-120	220
	JTK-17LST	Super Tough, Gray	–	8	17 3/4 x 14 1/2 x 6 1/4"	20	Individual	465	428	377-500	150
	JTK-17LSTB	Super Tough, Black	–	8	17 3/4 x 14 1/2 x 6 1/4"	20	Individual	465	428	54-084	150
†	JTK-17LHST	Super Tough, Gray	–	8	17 3/4 x 14 1/2 x 9 1/4"	22	Bottom	475	437	377-540	160
	JTK-17STM	Super Tough, Metric, Gray	18	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	499	459	377-500	150
	JTK-17R	Rugged Duty Poly, Olive	–	9	17 3/4 x 14 1/2 x 9"	22	Individual	505	465	356-170	190
†	JTK-17RB	Rugged Duty Poly, Black	–	9	17 3/4 x 14 1/2 x 9"	22	Individual	505	465	356-171	190
	JTK-17WT	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 8"	26	Side	620	570	377-243	305
	JTK-17WW	Roto-Rugged "Tote"	17	10	17 3/4 x 14 1/2 x 10"	26	Side	625	575	377-229	310
	JTK-17WR	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 12"	26	Side	630	580	377-246	315
	JTK-17HR	Super-Roto "Tote"	–	11	17 3/4 x 14 1/2 x 10"	26	Side	625	575	54-020	310
	JTK-17HRT	Super-Roto "Tote"	–	11	17 3/4 x 14 1/2 x 12"	26	Side	630	580	54-021	315
	JTK-17TT	Horizontal Tough "Tote"	17	12	17 3/4 x 14 1/2 x 10"	22	Side	550	506	356-411	235
	JTK-17TTD	Horizontal Tough "Tote", Deep	17	12	17 3/4 x 14 1/2 x 12"	24	Side	560	515	356-413	245
†	JTK-17BC	Double Sided Cordura, Blue	16	14	17 3/4 x 12 1/2 x 6"	15	Fixed	455	419	216-017	139
	JTK-17QC	Triple Sided Cordura, Black	16	15	17 3/4 x 12 3/4 x 11"	18	Quick Change	510	469	216-170	195

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JTK®-17BC
Field Service Zipper Kit

For Prices & Specs - See bottom of page!

➥ **Rugged Cordura® Plus Case**

This rugged Cordura case provides easy transport and access of your tools and documents. Case includes three outside storage pockets: one measures 16 x 11½ x 2" and two measure 8 x 11½ x 2". D-rings attached for optional shoulder strap.







Optional Meters begin on page 70

Lifetime Guarantee *on all JTK-17 Hand Tools (see listing on page 14)*

JTK-17QC
3-Sided Tool Kit

➥ **Pallets are removable and interchangeable with standard size 17¾" and 12¾" cases. Call 1-800-426-1194 for assistance.**

This durable Cordura case has plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17¾ x 12½ x 5½") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17¾". D-rings attached for optional shoulder strap.



Shown with Optional Meter (Meters begin on page 70)



Business materials not included

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-17BC	Field Service Zipper Kit	Double Blue Cordura	14	17 x 12½ x 6"	15	Fixed	$455	$419	216-017	$139
	JTK-17QC	3-Sided Tool Kit	Triple Black Cordura	15	17¾ x 12¾ x 11"	18	Quick Change	510	469	216-170	195
	216-113	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

*for JTK-17QC only

JTK®-17WW

Roto-Rugged "Tote" Tool Kit

- Our most rugged wheeled tool case
- Available in 8, 10 and 12" depths
- See pages 6 & 7 for full case descriptions

For Prices & Specs - See bottom of page!



3 Year Warranty on all Jensen Polyethylene cases (see page 5)





Lifetime Guarantee *on all JTK-17 hand tools (see listing on page 14)*

JTK®-17TT

Horizontal Tough "Tote" Tool Kit

- Horizontal design keeps tools in place
- Available in 10" & 12" depths
- See pages 6 & 7 for full case description



3 Year Warranty on all Jensen Polyethylene cases (see page 5)



Master Lock.



Secure Your Container

Cat.No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-17WW	Field Service Kit	Roto-Rugged "Tote"	10	17 2/4 x 14 1/2 x 10"	27	Side	$625	$575	377-229	$310
JTK-17TT	Field Service Kit	Horizontal Tough "Tote"	12	17 3/4 x 14 1/2 x 10"	22	Side	550	506	356-411	235
JTK-17TTD	Field Service Kit	Horizontal Tough "Tote", deep	12	17 3/4 x 14 1/2 x 12"	24	Side	560	515	356-413	245

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For Prices & Specs - See bottom of page!

JTK®-17
Inch/Metric Tool Kits

- Service foreign and domestic equipment with a single kit
- Choice of side or bottom hinged pallets
- Contains JTK-17 tools plus metric tools (see page 14)
- See pages 6-7 for full case descriptions



3 Year Warranty on all Jensen Polyethylene cases (see page 5)

Lifetime Guarantee *on all JTK-17 hand tools (see listing on page 14)*

JTK®-17
Metric Tool Kit

- Jensen's extremely popular JTK-17 tool kit with metric equivalents
- Shown in Super Tough Case, also available in all JTK-17 styles (see page 15)



3 Year Warranty on all Jensen Polyethylene cases (see page 5)



Available with soldering iron.

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-17DP3	Inch/Metric Tool Kit	Lightweight Poly, Deep	4	17 3/4 x 12 3/4 x 6 3/4"	22	Bottom	$570	$524	54-175	$165
JTK-17DXP3	Inch/Metric Tool Kit	Deluxe Poly, Deep	3	17 3/4 x 12 3/4 x 8"	24	Bottom	595	547	377-173	185
JTK-17RRT3	Inch/Metric Tool Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	24	Side	630	580	377-120	220
JTK-17STM	Metric Tool Kit w/115V Iron	Super Tough	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	499	459	377-500	150
24-017	JTK-17STM Tools only w/115V Iron	–	–	–	11	–	349	321	–	–

JTK®-77
Deluxe Field Service Kit

- Contains all the tools from our extremely popular JTK-17 tool kit (page 14) plus 24 extra tools on the third pallet (listed below)
- Over 125 tools in all

Cases come with three pallets. Third individual pallet stores in bottom of case.

3 Year Warranty on all Jensen Polyethylene cases (see page 5)





For Prices & Specs - See bottom of page!

The JTK-77 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

24 additional tools:

- Brushes (2): scratch, brass; typewriter, nylon
- Caliper, dial, 6"
- ***Extension blade, 7"***
- Files, flexible (3)
- Hacksaw
- ***Handle, driver, blades, T-style***
- Hemostats (2) 3 1/2"; 6"
- Lamp extractor
- Lead former
- Outlet tester
- Parts boxes, 2
- ***Pliers (2): Ignition 5"; locking, 7"***
- Reamer blade
- Soldering iron
- ***Solder removal tool***
- Spudger
- Tape measure, 12'
- ***Trimpot tool***
- Tri-tap tool
- Tool case with pallets

Lifetime Guarantee on all Jensen brand hand tools

JTK®-55
Field Service Tool Kit

- Derived from our extremely popular JTK-17 tool kit
- 100 tools in your choice of case styles
- Full range of fixed-handle tools

The JTK-55 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

100 tools in all:

- Alignment tools, 2
- Burnishers, 3
- ***Feeler gauge***
- ***Hammer, ball peen, 4 oz.***
- ***Hexdrivers (9): 050, 1/16 - 3/16"***
- Hex key set, metric, 2-8mm, 7 pc.
- ***Icepick/scribe***
- ***Knife, electrician's***
- Mirror, inspection
- ***Nutdrivers (9): 3/16 - 1/2"***
- Oiler
- Penlight w/batteries
- ***Pliers (6): diag. cutter, 4 1/4"; diag. cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4"; long nose with cutter, 6 3/4"; retaining ring, internal/external***
- Punches (3): center, 3/32"; pin, 1/16"; pin, 1/8"
- ***Rule, Stainless, 6"***
- Scissors, thin line
- ***Screwdrivers (12): offset, ratchet, slot/Phillips; Phillips #0 x 2", pocket clip; Phillips #1 x 3"; Phillips #2, stubby; Phillips #2 x 4"; slotted, 3/32 x 2", pocket clip; slotted 1/8 x 4"; slotted 1/8 x 8"; slotted, 3/16 x 3"; 1/4" stubby; slotted 1/4 x 4"; slotted 5/16 x 6"***
- ***Screwdriver set, jeweler's, 7pc.***
- ***Screwstarter, Phillips/slotted***
- ***Socket set, 1/4" drive, 14 pc.***
- Solder aid, fork and hook
- Solder brush
- Soldering iron
- Spring tools (2): pull; push
- ***Tweezers, reverse action***
- ***Wire crimper/stripper***
- ***Wire stripper/cutter***
- ***Wrenches, adjustable (2): 4", 8"***
- ***Wrench set, ignition, 8 pc.***
- Tool case with pallets



3 Year Warranty on all Jensen Polyethylene cases (see page 5)



†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
	JTK-77DP	Deluxe Field Service Kit	Lightweight Poly	4	17 3/4 x 12 3/4 x 6 1/2"	23	Bottom	$620	$570	54-773	$155
	JTK-77DRT	Deluxe Field Service Kit	Rota-Tough™	6	17 3/4 x 14 1/2 x 9 1/4"	24	Bottom	670	616	377-307	200
†	JTK-77DST	Deluxe Field Service Kit	Super Tough	8	17 3/4 x 14 1/2 x 8"	27	Bottom	645	593	377-306	175
	JTK-55BXP	Field Service Tool Kit	Deluxe Poly	3	17 3/4 x 12 3/4 x 5"	20	Side	480	442	356-055	145
	JTK-55LHST	Field Service Tool Kit	Super Tough, Gray	8	17 3/4 x 14 1/2 x 9 1/4"	21	Side	505	465	377-525	160
	JTK-55LHSB	Field Service Tool Kit	Super Tough, Black	8	17 3/4 x 14 1/2 x 9 1/4"	21	Side	505	465	54-085	160

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-99

Electronic Technician's Service Kit

- A favorite of audio/video technicians
- Over 90 quality tools







Optional Meters begin on page 70

The JTK-99 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

93 tools in all:
Alignment tools, (3)
Bottles, plastic, (3)
Brush, cleaning
Burnisher, pocket
Caliper, pocket
Extension, driver blades, 4"
File, flat
File, rat tail
File, three square
Gauge, feeler
Hacksaw, mini
Hammer, ball peen, 4 oz.
Handle, 3 1/8"
Handle, 4 1/8"
Handle, file
Hemostat, straight, 5"
Hexdriver blades (9): .050; 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Ice pick/scribe
Knife, electrician's
Lead former
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Oiler
Penlight w/batteries
Pliers (6): diag.cutter 4 1/4"; diag. cutter 5 1/4"; groove joint, 8"; long nose, 4 3/4"; long nose w/cutter, 6 3/4; retaining ring, external/internal
Pliers, locking, 5"
Punch, center, 3/32"
Punch, pin, 1/16"
Punch, pin, 1/8"
Reamer blade
Rule, stainless, 6"
Scissors*
Screwdriver, 4-in-1
Screwdriver, offset, #6-10 screws
Screwdriver, offset, Phillips #1, #2
Screwdriver blades (7): Phillips #0, #1, #2; slotted, 1/8 , 3/16, 1/4, 5/16"
Screwdriver, pocket, Phillips
Screwdriver, pocket, slotted
Screwstarters (2): Phillips; slotted
Socket set, 14 pc.
Solder
Solder aid, fork and reamer
Solder removal braid
Soldering iron
Spring tool, combination
Tweezers, reverse action
Wire stripper/crimper
Wrench, adjustable, 6"
Tool case with pallets

†NSN: Call 800-426-1194 for current number

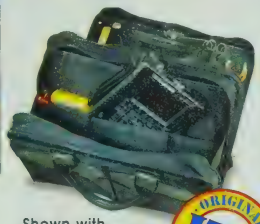
	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-99R	Electronic Technician's Service Kit	Rugged Duty Poly	9	17 3/4 x 14 1/2 x 9"	26	Winged	$555	$511	356-990	$200
	JTK-99DS	Electronic Technician's Service Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/4"	25	Winged	535	492	377-799	180
	JTK-99XRRT	Electronic Technician's Service Kit	X-tra Rugged Rota-Tough™ 7		17 3/4 x 14 1/2 x 10"	26	Winged	575	529	377-889	220

JTK®-48
Field Service Kit

- Pallets are interchangeable with any standard 17 3/4 x 12 3/4" hard cases. Call 1-800-426-1194 for assistance.
- Double sided Cordura® Plus case with padded section for test equipment



QC Clip design makes pallet removal fast and easy



Shown with Optional Test Equipment Pallet



For Prices & Specs - See bottom of page!

Case includes three large outside pockets: one measuring 17 x 10 1/4 x 2" and two measuring 8 1/2 x 10 1/4 x 2". Test equipment section is 17 x 12 x 4" to accommodate optional test equipment pallet. Extra wide, padded web strap handles and D-rings attached for optional shoulder strap. Metric version contains metric equivalent tools.

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-48 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Inch Set has 76 tools in all:
Metric Set has 72 tools in all:
Contact insert/extraction tool
DIP/IC extractor
File set, needle (3)
Hammer, ball peen, 4 oz.
Knife, electrician's
Hemostat, 6"
Hex key set, BP (11) in Inch Set, (7) in Metric Set
Handle, 4 1/8"
Mini-maglite
Mirror/magnetic retriever
Modular phone line tester
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Pliers, (6): diagonal cutter 4 1/4", diagonal cutter 5 1/4", long nose 4 3/4", needle nose 6", groove joint 7", locking 5"
Screwdriver, jeweler's set, 7 pc.
Screwdriver, offset ratchet, slotted/Phillips
Screwdrivers, Phillips, (3): #0 x 2", #1 x 6", #2 x 4"
Screwdrivers, slotted, (4): 3/32 x 2", 1/8 x 6", 3/16 x 8", 1/4 x 4"
Screwdriver, 2-in-1, stubby
Screwstarters (2): 9/64 x 6", .102 x 6"
Scissors, electrician's
Solder removal braid
Soldering iron
Spring tool, combination
Torx drivers (3): tamper-proof, TT10, TT15, TT20
Tape measure, 12'/3.5M
Trimpot tool
Tweezers, boley style
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrench set (8): 13/64 - 3/8"
Cordura case

JTK®-1002/1003
Clean Room Tool Kits

- Features inch and metric tools

Jensen has taken every precaution to guard against particulate contamination and still provide the most functional clean room kit possible. Our PVC pallets are fully submersible in cleaning tanks or can be easily cleaned by hand. Cases are easily cleaned as well.

JTK-1002 contains all inch measure tools as well as metric tools on a third pallet.

JTK-1003 contains both inch and metric tools in a larger case. Features a side hinged pallet.



JTK-1002



JTK-1003

The JTK-1001/1002/1003 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

112 Tools in all:
71 Inch tools:
Alignment tools (2)
Feeler gauge, inch/metric
Handle, driver blades (2): 3 1/8; 4 1/8"
Hemostat"
Hexdriver blades (9): .050-3/16"
Knife, pushbutton
Mirror, inspection
Nutdriver blades (9): 3/16-1/2"
Penlight w/batteries
Pliers (6): diag. cutter 4 1/4"; diag. cutter 5 1/4"; long nose 4 3/4"; long nose w/cutter 6 3/4"; groove joint 10"; retaining ring, internal/external
Rule, stainless steel, 6"/15cm
Screwdriver, offset, Phillips/slotted
Screwdrivers, Phillips (4): #0 x 2"; #1 x 3"; #2 x 4"; #2 stubby
Screwdrivers, slotted (6): 1/8 x 2"; 3/16 x 3"; 3/16 x 6"; 1/4 x 4"; 1/4" stubby; 5/16 x 6"
Screwdriver set, jeweler's, 7 pc
Screwstarter, Phillips/slotted
Scissors, thinline"
Socket set, 1/4" drive (13): 3/16-1/2"
Spring tool, combination
Wire crimper/stripper
Wire stripper, 16-26 AWG
Wrenches, adjustable (2): 4; 8"
Tool case, two pallets
41 Metric tools:
Hex driver blades (7): 1.27-5mm
Hex Key set (7): 2-8 mm
Nutdriver blades (10): 4-11mm
Socket set (9): 4-12mm
Wrench set, open end (8): 4-9mm
Tool case, three pallets

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-48	Inch Field Service Kit	Double Cordura	14	17-1/4 x 12-3/4 x 6-1/4"	16	Quick Change	$450	$414	216-048	$145
JTK-48MM	Metric Field Service Kit	Double Cordura	14	17 3/4 x 12 3/4 x 6 3/4"	16	Quick Change	450	414	216-048	145
216-019	Optional Test Equipment Pallet	–	–	–	–	–	15	14	–	–
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
JTK-1002	Inch/Metric Clean Room Kit	Deluxe Poly	3	17-1/4 x 12-3/4 x 6	20	Bottom	600	552	377-377	285
JTK-1003	Inch/Metric Clean Room Kit	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	25	Side	615	566	377-945	305

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JTK®-32

Electronic Equipment Installation & Service Kit

➥ Choose Slimline poly attaché or Cordura Plus zipper case, both with removable pallets

JTK-32S



Slimline poly attaché
Slimline poly case offers added protection and security when traveling. Features keylock latches and combination lock.

JTK-32Z



Cordura Plus
Rugged Cordura Plus case has three outside pockets for additional storage; one measures 17 x 10 1/4 x 2" and two measure 8 1/2 x 10 1/4 x 2". Padded web strap handles and D-rings attached for optional shoulder strap.

QC Clip makes pallet removal fast and easy

JTK-32Z



JTK-32S

The JTK-32 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

75 tools in all:
Alignment tool, double end, slotted
Balldriver set, inch (8): .050-5/32"
Balldriver set, metric (6):1.5-5mm
DIP extractor
DIP inserter
Extension, blade, 7"
Handle, 4 1/8"
Hemostat, straight, 6"
Insert/extract tool #20
Mirror/magnet tool
Nutdriver blade set, inch (9): 3/16-1/2"
Pliers (6): Chain nose w/cutter 6 1/2"; mini chain nose 4 3/4"; diag. cutters 5"; mini diag. cutters 4"; groove joint 7"; locking long nose 6"
Rule, SS, 6"/15cm with pocket clip
Screwdrivers (8); Phillips #0 x 2 1/2", #1 x 6", #2 x 4"; slotted 3/32 x 2", 1/8 x 6", 3/16 x 3", 3/16 x 8", 1/4 x 4"
Screwdriver, 2-in-1
Socket set, 1/4" drive, (13): 3/16-1/2"
Solder iron, 25W
Stripper, 16-26 AWG
Stripper/crimper
Torx® screwdrivers (3): TT8, 10, 15
Trimpot adjustment tool
Wrench, adjustable, 4"
Wrench, combination, (7): 3/8-3/4"
Tool case with pallets

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95

For JTK-32 Only



Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-32S	Elec. Equip. Install & Serv. Kit	Slimline Poly Attaché	–	17 3/4 x 12 3/4 x 5"	20	Individual	$425	$391	54-890	$165
JTK-32Z	Elec. Equip. Install & Serv. Kit	Single Black Cordura	13	17 3/4 x 12 3/4 x 3 3/4"	17	Quick Change	365	336	216-320	110
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*for JTK-32Z only

JTK®-47

Field Engineer's Kit

Everything You Need for General Electronics Service

- Rugged Cordura® Plus cases
- Multi-functional tool selection

Single Sided Case has three outside pockets: one is 15 x 10 x 2" and two are 7 1/2 x 10 x 2".

Double Sided Case features a 14 3/4 x 10 1/2 x 1 1/2" padded internal pocket for delicate equipment and has three outside pockets: one is 14 3/4 x 11 3/4 x 2" and two are 7 1/4 x 11 1/4 x 2".

Both cases have padded web strap handles and D-rings attached for an optional shoulder strap.



JTK-47GC



JTK-47DBLB JTK-47DBL JTK-47GC



JTK-47DBLB

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-47 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

81 tools in all:

Feeler Gauge
File, needle, 6" (3)
Hammer, ball peen, 4 oz.
Hemostat, 5"
Hex key set, 10 pc.
Knife, pocket
Lead former
Mirror, inspection
Penlight w/batteries
Pliers, (7): diagonal cutter, 5 1/4"; diagonal cutter, 4 1/4"; groove joint, 7"; long nose with cutter, 6 3/4"; long nose, mini, 4 3/4"; retaining ring, int/ext.; locking, 6"
Punch, pins (2): 1/16 and 1/8"
Rule, stainless, 6"
Scissors
Screwdriver, offset ratchet, Phillips/slotted
Screwdrivers, Phillips (3): #1 x 3"; #1 x 6"; #2 x 4"
Screwdrivers, slotted (3): 3/16 x 3"; 1/4 x 4"; 5/16 x 6"
Screwdriver, stubby, 2-in-1
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Scribe, pocket
Socket set, 1/4" drive, 13 pc.
Solder, pocket pack
Solder aid, fork/brush
Solder removal tool
Soldering iron
Spring tool, combination
Spudger
Tape measure, 12'/3.5m
Trimpot tool
Tweezers, reverse action
Wire crimper/stripper
Wire cutter/stripper
Wrench, adjustable, 6"
Wrench set, ignition, 8 pc.
Zipper tool case

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-47GC	Field Engineer's Kit	Single Gray Cordura	13	16 1/4 x 12 x 3"	11	Fixed	$375	$345	216-047	$85
	JTK-47DBL	Field Engineer's Kit	Double Gray Cordura	14	16 1/4 x 12 x 4 1/2"	14	Fixed	415	382	216-472	120
	JTK-47DBLB	Field Engineer's Kit	Double Black Cordura	14	16 1/4 x 12 x 4 1/2"	14	Fixed	415	382	216-472B	120
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

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For Prices & Specs - See bottom of page!



JTK®-19
3-Sided Tool Kit

- Great for carrying spare parts and test equipment
- Shoulder strap included

Designed for electronic technicians who service/repair a broad range of systems. Center equipment section measures 17 1/2 x 12 x 4".

The JTK-19 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

76 tools in all:
Cover, soldering iron
Extension blade, 4"
Handle, 4 3/8"
Handle, T-style
Hex blades, (9): .050-3/16"
Hex key set, (6): 1.5-5mm
Mirror/magnet retriever
Nutdriver blades, (9): 3/16-1/2"
Penlight, w/batteries
Pliers (6): long nose with cutter, 6"; diag. cutter, 4"; diag. cutter, 5"; groove joint; 7" long nose, 4 3/4"; locking, 5"
Rule, 6"/15cm, stainless steel
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver blades (4): slotted 1/4 and 3/16", Phillips #1 and #2
Screwdriver, offset: Phillips/slotted
Screwdrivers (7): slotted 1/4 x 4", 1/8 x 8", 3/32 x 2", 3/16 x 6"; Phillips #0 x 2, #1 x 6", #2 x 4"
Screwdriver set, jeweler's (6): 3 Phillips, 3 slotted
Screwstarter, double end
Socket set, 1/4" drive, 13 pc.
Solder Removal Braid
Soldering iron
Tweezers, Boley
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



ORIGINAL JTK® JENSEN DESIGN

Lifetime Guarantee *on all Jensen brand hand tools*





JTK®-35
Service Engineer's Kit

- Most requested tools for electronic service
- Double sided Cordura® Plus cases with padded external pockets

An enhanced version of our popular JTK-36; extra tools and a larger case make it more functional. Cases feature tools on one side and a document file/detachable clip board on the other. Large outside pocket is 14 x 10 x 2", two smaller pockets are 10 x 7 x 2". D-rings attached for optional shoulder strap.



The JTK-35 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

72 tools in all
Alignment tool
Burnishers (3)
Extension, 4"
File, Needle, 6 1/4"
Handle, 3 1/8"
Hemostat, 5"
Hex Key Set, (10): .028 - 5/32"
Hex key set, fold-up (9): .050 - 3/16"
Knife, light-duty
Nutdriver blades (3): 7/32, 9/32, 11/32"
Nutdriver blades (6): 3/16-1/2"
Penlight w/batteries
Pliers (5): diag. cutter, 4 1/4"; long nose, 4 3/4"; long nose, 6 3/4"; groove joint, 7"; retaining ring (Int/Ext)
Rule, stainless steel, 6"
Scissors
Screwdriver, offset slot/Phillips
Screwdriver, pocket (2) slot/Phillips
Screwdriver blades (2): Phillips #0; slotted 1/8"
Screwdriver blades (4): Phillips #1, #2; slotted 3/16, 1/4"
Screwdriver set, jeweler's (6): 3 Phillips, 3 slotted
Solder aid
Solder removal braid
Soldering iron
Trimpot tool
Torx key set, fold-up (7): T6-T20
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper tool case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Cat. No.	Description	Case Style	(Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-19	3-Sided Toolkit	Triple Black Cordura		–	17 1/2 x 12 x 9"	15	Fixed	$410	$377	54-019	$145
JTK-35	Service Engineer's Kit	Double Khaki Cordura		14	14 1/2 x 10 1/2 x 5"	11	Fixed	340	313	216-362	130
JTK-35BLK	Service Engineer's Kit	Double Black Cordura		14	14 1/2 x 10 1/2 x 5"	11	Fixed	340	313	216-035	130
216-548	Optional Brown Shoulder Strap*	–		–	–	–	–	10	9	–	–
216-432	Optional Black Shoulder Strap*	–		–	–	–	–	10	9	–	–

*For JTK-35 and JTK-35BLK only

JTK®-36

Compact, Lightweight Service Engineer's Kit

➥ **Fits inside luggage or briefcase**

Provides the basic tools for service, trouble-shooting and maintenance of computers, printers, business machines and other electronic equipment. Cordura® Plus zipper case features three outside pockets: one is 12 x 10 x 2" and two are 6 x 10 x 2". Padded web strap handles and D-rings attached for optional shoulder strap.



Shown with Optional Meter



JTK-36BK



Optional Meters begin on page 70

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-36 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

51 tools in all:
Alignment tool
Burnishers (3)
Extension, 4"
File, Needle, $6^1/4$"
Hemostat, 5"
Hex Key Set, (10): .028 - $^5/_{32}$"
Knife, light-duty
Nutdriver blades (6): $^3/_{16}$ - $^1/_2$"
Penlight w/batteries
Pliers (5): diag. cutter, $4^1/4$"; long nose, $4^3/4$"; long nose, $6^3/4$"; groove joint, 7"; retaining ring (Int/Ext)
Rule, stainless steel, 6"
Scissors
Screwdriver, offset slot/Phillips
Screwdriver, pocket (2) slot/Phillips
Screwdriver blades (4): Phillips #1, #2; slotted $^3/_{16}$, $^1/_4$"
Screwdriver set, jeweler's (6): slot/Phillips
Solder aid
Solder removal braid
Soldering iron
Trimpot tool
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper tool case

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-36BK	Service Engineer's Kit	Single Black Cordura	13	$13^1/2$ x 10 x $2^1/2$"	7	Fixed	$250	$230	54-036	$70
JTK-36GC	Service Engineer's Kit	Single Grey Cordura	13	$13^1/2$ x 10 x $2^1/2$"	7	Fixed	250	230	216-036	70
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

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JTK®-86 Technician's Tool Kit

➥ Our most popular lightweight technician's kit ➥ Ultra lightweight . . . only 8 lbs!

You wouldn't expect to find a selection of tools like this in a zipper case. A complete 13-piece 1/4" drive socket set including ratchet, spinner handle and extensions, 9-blade foldup hex key set, 11-blade feeler gauge, plus locking pliers.

Also includes a set of four miniature Phillips metric screwdrivers, DIP remover, DIP clip, hemostat, trimpot adjusting tool, solder remover and other solder equipment, pliers and cutters, assorted screwdrivers, wire stripper, and more (see complete listing below).

Two outside pockets are 6 x 10 x 2", and one is 12 x 10 x 2". Padded web strap handles and D-rings attached for optional shoulder strap.







Optional Meters begin on page 70

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-86 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

58 tools in all:
Alignment tool
Burnisher
DIP clip, 16 pins installation
DIP remover, anti-static
Feeler gauge
File needle, 6 1/4"
Handle, driver blades, 4 1/8"
Hemostat, straight, 5"
Hex key set, fold up (9) .050-3/16"
Knife, light-duty
Mirror, inspection
Penlight w/batteries
Pliers (5): diagonal cutter, 4 1/4"; long nose, 4 3/4"; long nose with cutter, 6 3/4"; retaining ring, convertible locking, 6"
Rule, stainless, 6"
Scissors, electronic
Screwdriver, offset, Phillips/slotted
Screwdriver, Phillips #0 x 2 1/2"
Screwdriver, slotted, 3/32 x 2"
Screwdriver blades (4): Phillips #1, #2; slotted, 3/16, 1/4"
Screwdriver (4), Phillips, 1.5 - 3mm
Socket set, 1/4" drive, (13)
Solder aid, knife and brush
Solder removal tool
Soldering iron
Spring tool, combination
Trimpot adjustable tool
Wire stripper
Wrench, adjustable, 6"
Zipper tool case

†NSN: call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-86BK	Technician's Tool Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	$290	$267	54-086	$75
JTK-86GC	Technician's Tool Kit	Single Grey Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	290	267	216-086	75
† JTK-86C	Technician's Tool Kit	Single Brown Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	290	267	54-730	75
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
216-548	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-16

Compact Technician's Kit

Gray Cordura® Plus case features three outside pockets: one measures 10 1/2 x 9 x 2" and two measure 5 1/2 x 9 x 2". Web strap handles with leather wrap and D-rings attached for optional shoulder strap.

For Prices & Specs - See bottom of page!



Shown with Optional Meter

The JTK-16 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

41 tools in all:
Alignment tools, 2 pc.
Burnisher
File, needle, flat
Handles, driver blades (2) 3 1/8", 4 1/8"
Hex key set, 10 pc.
Knife, precision with blade
Nutdriver blades, stubby (3) 1/4, 5/16, 3/8"
Pliers (4) diagonal cutter, 4 1/4"; groove joint, 6"; long nose, 4 3/4"; long nose with cutter, 6 3/4"
Rule, stainless, 6"
Screwdriver, Phillips #0 x 2 1/2"
Screwdriver blades, Phillips (2) #1; #2
Screwdriver blades, slotted (3) 3/16, 1/4, 5/16"
Screwdriver set, jeweler's (6) Phillips/slotted
Solder aid, fork and hook
Soldering iron
Wire stripper/cutter
Wrench, adjustable, 4"
Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-10

General Electronic Service Kit

A selection of over 50 multi-function tools for general electronic repair and installation. The cases are available in gray Cordura® Plus with black leather trim or black ballistic nylon with brown leather trim. Three large outside pockets for spare parts and other accessories: one is 11 x 9 1/2 x 2" and two are 5 1/2 x 9 1/2 x 2". Web strap handles with leather wrap and D-rings attached for optional shoulder strap.





Shown with Optional Soldering Iron (sold below)

The JTK-10 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

53 tools in all:
Hemostat, 6"
Hex keys, fold-up, 9 pcs. .050-3/16"
Knife, snap blade
Pliers, (4): diagonal cutter 4 1/4"; long nose with cutter 6 1/2"; groove joint 7"; locking pliers 5"
Rule, SS, 6"/15cm with pocket clip
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. slotted/Phillips
Screwdrivers (6): Phillips #0 x 2"; #1 x 3"; #2 x 4"; slotted 1/8 x 4"; 3/16 x 4"; 1/4 x 4"
Socket set, 13 pc., 1/4" drive, 3/16-1/2"
Tape measure, 12'/3M
Torx fold-up, 7 pc., T6-T20
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper case

Combination Lock



Cat. No.	Description	Each
40-647	Lock	$5.95

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-16GC	Compact Technician's Kit	Single Gray Cordura	13	11 1/2 x 10 x 2 1/2"	5	Fixed	$200	$184	216-016	$60
	JTK-10GY	General Electronic Service Kit	Single Gray Cordura	13	11 1/2 x 10 x 2 1/2"	7	Fixed	210	193	216-111	75
	JTK-10B	General Electronic Service Kit	Single Black Nylon	13	11 1/2 x 10 x 2 1/2"	7	Fixed	210	193	216-112	75
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
	47-723	Optional Solder Iron for JTK-10	–	–	–	–	–	31	–	–	–

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

For Prices & Specs - See bottom of page!

JTK®-6 Compact Kit

Ideal for engineers, scientists, technicians, students, executives – anyone who might be required to dismantle or service electronic equipment. Deluxe padded zipper case in blue Cordura® Plus nylon.





Shown with Optional Jensen Pen DMM

The JTK-6 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

30 tools in all:
- Alignment tool
- Burnisher
- Files, flexible, (2)
- Hex key set, 10 pc.
- Knife, light-duty
- ***Pliers (2) diagonal cutter, 4 1/4"; long nose, 4 3/4"***
- ***Rule, stainless, 6"***
- Scissors, thin line
- ***Screwdriver blades (5) Phillips #0, #1, #2; slotted, 3/16, 1/4"***
- ***Screwdriver blade handle, 4 1/8"***
- ***Screwdrivers, slotted, miniature (2)***
- Solder aid fork and hook
- Soldering iron
- ***Wire stripper/cutter***
- ***Wrench, adjustable, 4"***
- Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-3300 "Briefcase" Kit

Designed to be small enough to fit in a briefcase or luggage, but performs the functions of a much larger kit. Soft padded **black leather case** creates an elegant package for these top quality tools.





All JTK-3300 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

34 tools in all:
- *Handle, 4 1/8"*
- *Hex keys, fold-up, 9 pc. .050-3/16"*
- *Nutdriver blades, (2) 3/16, 1/4"*
- *Pliers, (3) diagonal cutter, 4 1/4"; mini long nose, 4 3/4"; groove joint 5"*
- *Penlight w/batteries*
- *Screwdriver blades (4) Phillips #0, #1, slotted 1/8, 3/16"*
- *Screwdriver set, jeweler's Phillips/ slotted, 7 pc.*
- *Torx fold-up 7 pc., T6-T20*
- Zipper case

Cat. No.	Description	Case Style	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-6C	Compact Kit	Blue Cordura	–	7 x 9 x 2"	3	Fixed	$120	$110	54-955	$30
JTK-3300	"Briefcase" Kit	Black Leather	–	7 x 6 x 1 1/4"	3	Fixed	99	91	216-033	30
JTM-67	Optional Jensen Pen DMM	–	–	–	–	–	59	–	–	–

JTK®-31 Multi-Purpose "Kit-in-a-Bag"

Comprehensive tool selection enables the technician to handle electrical, electronic, and mechanical tasks with ease. Pouches include pliers and screwdrivers for easier tool selection. All tools fit into the rugged blue Cordura® tool bag with plenty of room for extra equipment. Bag measures 12 x 6 x 5 1/2" and features inside and outside pockets for small tools. Strong web strap handle and zipper closure.

For Prices & Specs - See bottom of page!



Shown with optional Shoulder Strap

All JTK-31 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

33 tools in all:
- Hammer, ball peen, 4 oz.
- Hex key set, fold-up, 9 pc; 5/64 - 1/4"
- Knife, electrician's
- Pliers, groove joint, 7"
- Pliers (4) kit with roll pouch: diagonal cutter, 5 1/4"; long nose with cutter, 6 3/4"; mini diag. cutter, 4 1/4"; mini long nose, 4 3/4"
- Pliers, locking, 7"
- Screwdriver, magnetic tip with 5 bits
- Screwdriver set in pouch (5): slotted pocket clip; 3/32 x 2"; slotted 3/16 x 3", 1/4 x 4"; Phillips #1 x 3", #2 x 4"
- Screwdriver, stubby 2-in-1
- Socket set, 1/4" drive, 14 pc., 3/16-1/2"
- Soldering iron*
- Tape measure, 12'/3.5m
- Wrench, adjustable, 6"
- Tool Bag

*1 Year Warranty

JTK®-81 Roll Pouch Kit

- Compact & lightweight
- Top quality tools & heavy-duty pouch w/Velcro® closure



All JTK-81 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

33 tools in all:
- Extension blade, 4"
- Handle, 4 1/8"
- Hex key, fold-up, 9 pc., 5/64-1/4"
- Knife, electrician's
- Nutdriver blades (5): 3/16-7/16"
- Pliers (4): diag. cutter, 5"; long nose, 6 1/2"; locking, 5", groove joint 7"
- Screwdriver blades (4): slotted: 3/16 and 1/4"; Phillips: #1 and #2
- Screwdriver, pocket (2), slotted: 3/32 x 2"; Phillips: #0 x 2"
- Socket set, 1/4" drive, 13 pc.
- Torx fold up, 7 pc., T6 -T20
- Wire stripper/cutter
- Wrench, adjustable, 6"
- Roll pouch

JTK®-11S Laptop Tool Kit

Ideal for the supervisor or technician who needs a basic selection of hand tools with room for a laptop, cords, cell phone, disks and more. Made from durable Cordura Plus nylon. Cushion grip handle, D-rings for optional shoulder strap, outside document pouch and snapping latches give a professional appearance.



Cell phone and computer not included

Lifetime Guarantee on all Jensen brand hand tools

All JTK-11S Tools are backed by Jensen's Lifetime Guarantee (See page 4)

52 tools in all:
- Handle, 4 1/2"
- Hex key set, fold-up, 9 pc.
- Nutdriver blades (6) 3/16; 7/32; 1/4; 5/16; 3/8; 7/16"
- Penlight w/batteries
- Pliers (4) groove joint, 7"; long nose w/cutter, 6 1/2"; mini-diag. cutter, 4 1/2"; mini-long nose, 4 3/4"
- Screwdrivers, Phillips (3) with pocket clip, #0 x 2"; #1 x 6"; #2 x 4"
- Screwdrivers, slotted (4) w/pocket clip, 3/32 x 2"; 1/8 x 6"; 3/16 x 6"; 1/4 x 4"
- Screwdriver set, jeweler's, 7 pc.
- Screwdriver, stubby, 2-in-1
- Scissors, electrician's
- Socket set, 1/4" drive, 14 pc.
- Wire stripper/cutter
- Wrench, adjustable, 4"
- Tool case with pallet

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style	Style No.	Dimensions (L x W x D)	Weight (lbs.)	Pallet Style Ref. Pg. 7	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-31	Multi-Purpose Kit-in-a-bag	–	–	11 x 6 x 6"	7 3/4	Fixed	$199	$183	392-306	$20
†	JTK-81	Roll Pouch Kit	–	–	–	5	–	145	133	216-003	16
	JTK-11S	Laptop Tool Kit	–	–	16 x 12 x 3 1/2"	8	Fixed	229	211	54-625	85
	216-603	Optional Shoulder Strap*	–	–	–	–	–	3	–	–	–
	216-432	Optional Shoulder Strap**	–	–	–	–	–	10	9	–	–

*For JTK-31 **For JTK-11S

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JTK®-93 Electro-Mechanical Service Kit

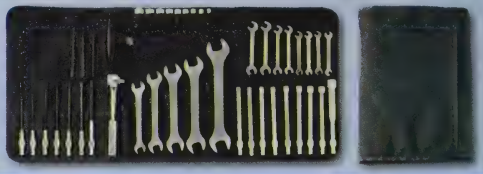
➥ 137 top quality tools



JTK-93

Metric "Add-On" Kit

➥ Convert JTK-93 to inch/metric, or use as a "stand-alone"
➥ Cordura® Plus tri-fold case with Velcro® closure



All CK-93MM Tools are backed by Jensen's Lifetime Guarantee (See page 4)

43 tools in all:	*Pin punches (3): 1, 2, 3mm*
Hex blades (7) 1.27mm-5mm	*Sockets 1/4" drive (9): 4mm-12mm*
Handle, T-style	*Wrenches, ignition (8): 4mm-9mm*
Handle, ratchet 1/4" drive	*Wrenches, open-end (5): 10mm-19mm*
Nutdriver blades (9): 4mm-10mm	Case, Cordura®

JTK-93 JTK-93XRRT

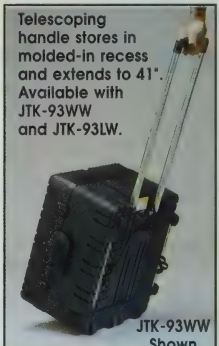


3 Year Warranty on all Jensen Polyethylene cases (see page 5)



JTK-93LW

Telescoping handle stores in molded-in recess and extends to 41". Available with JTK-93WW and JTK-93LW.



JTK-93WW Shown

JTK-93LW features an extra wide case. Equipped with 2 spring loaded handles, hasp for lock and 1/4 turn drawbolt style latches for extra durability.

The JTK-93 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

137 tools in all:
Alignment tools (2)
Brush, steel, 8"
Burnishers (3)
Caliper, dial
Cold chisel set, 3 pc.
Feeler Gauge
File handle
File set, 3 pc.
Fuse puller
Hacksaw
Hacksaw blades (2)
Hammer, ball peen, 12 oz.
Handle, driver blades (2): 3 1/8, 4 1/8"
Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Hex key set, metric 1.5-6mm, 7 pc.
Hex key set, 9 pc. foldup, 5/64-1/4"
Icepick scribe
Knife, electrician's
Level, torpedo, magnetic, 9"
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Penlight w/batteries
Pliers (6): Diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4; long nose with cutter, 6 3/4"; retaining ring internal/external
Pliers, lineman's heavy-duty
Pliers, locking, 7"
Punch, center, 3/32"
Punch, pin (2); 1/16, 1/8"
Reamer, handled, 7 1/2"
Rule, stainless, 6"
Screwdriver, offset ratchet, slotted/Phillips
Screwdriver, Phillips #0 x 2 1/2", pocket clip
Screwdriver, Phillips (3): #1 x 3"; #2 stubby; #2 x 4"
Screwdriver, slotted 3/32 x 2", pocket clip
Screwdriver, slotted (6): 1/8 x 4"; 1/8 x 8"; 3/16 x 3"; 1/4" stubby; 1/4 x 4"; 5/16 x 6"
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Socket set, 1/4" drive, 14 pc.
Solder aid, fork and brush
Soldering iron, 115V (230V opt.)
Spring tool, pull
Spring tool, push
Tape measure, 12'/3.5m
Tapping tool, 3-in-1
Tweezers, reverse action
Wire crimper/stripper
Wire stripper/cutter
Wrench, adjustable (2): 4", 8"
Wrench set, combination, 10 pc. 5/16-7/8"
Wrench set, ignition, 8 pc.
Tool case with pallets

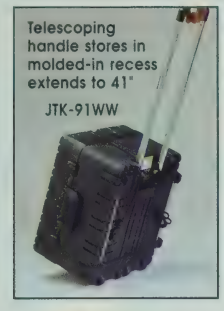
Cat. No.	Description	Case Style	Style No. (Ref. Pg. 6-7)	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-93	Inch Electro-Mech. Service Kit	Heavy-Duty Poly	–	17 3/4 x 14 1/2 x 7 1/2"	35	Side	$739	$680	356-950	$200
JTK-93XRRT	Inch Electro-Mech. Service Kit	X-Tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	33	Side	769	707	377-093	225
JTK-93WW	Inch Electro-Mech. Service Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 12"	40	Side	880	810	377-393	340
JTK-93LW	Inch Electro-Mech. Service Kit	Roto-Rugged "Tote"	10	24 7/8 x 14 1/2 x 12"	45	Individual	915	842	377-394	365
JTK-93MM*	Metric Electro-Mech. Service Kit	X-Tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	34	Side	799	735	377-093	225
CK-93MM	Metric Add-On Kit	Tri-Fold	–	10 1/2 x 7 1/2 x 1 1/2"	4	–	160	147	216-930	20

*Inch measurement tools have been replaced with their metric equivalent.

JTK®-91

Electro-Mechanical Installer's Kit

- One of our most popular kits for electrical/mechanical tasks
- Storage space for extra equipment
- Choice of three case styles









Optional Meters begin on page 70

3 year Warranty on all Jensen Polyethylene cases (see page 5)

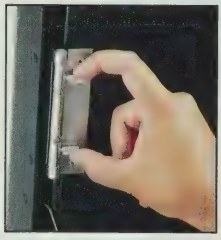
The JTK-91 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

99 tools in all:
Brush, brass, cleaning
Flashlight, with continuity tester
Files, 6" (3): flat; half round; rat tail
Hacksaw, junior 8 1/2"
Hammer, ball peen, 8 oz.
Hammer, soft face, 8 oz.
Handle, file
Hemostat, straight, 6"
Hex key set, ball-end, 12 pc.
Knife, electrician's
Mirror/magnet tool
Oiler, leakproof
Parts box
Pliers (7): diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4; groove-joint, 10"; long nose, mini, 4 3/4"; long nose, with cutter, 6 3/4"; retaining ring, combination; slip-joint, 6".
Pliers, locking 7"
Punch, center
Punch pins (2): 1/16 and 3/32"
Retrieval tool, flexible claw"
Rule, stainless steel, 6"
Screwdriver, ratchet offset, slotted/Phillips
Screwdriver, Phillips (4): #0 x 2"; #1 x 3"; #1 x 6"; #2 x 4"
Screwdriver, slotted (5): 3/32 x 2"; 3/16 x 8"; 1/4 x 4"; 5/16 x 6"; 1/8 x 8"
Screwdriver, stubby, 2-in-1
Screwdriver set, jeweler's, 7 pc.
Screwstarter, double-end slotted/Phillips
Scribe, 3 point set
Snips, utility
Socket set, 3/8" drive, 23 pc.
Solder, pocket pack
Soldering aid, fork and reamer
Soldering iron
Tape measure, 12'/3.5m
Wire crimper/stripper
Wire cutter/stripper
Wrench, adjustable 8"
Wrench set, open end (9): 3/8-7/8"
Tool case with pallets
JTK-91MM contains these metric equivalent tools:
Hex key set, 9 pc; 1.5 - 10mm
Punches, pin: 2mm, 3mm
Socket set; 24 pc
Wire crimper/striper
Wrench set; (6); 8 - 19mm
Wrench set; (3): 3/4" - 7/8" also included

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-91DST	Inch Electro-Mech. Installer's Kit	Super-Tough™	8	17 1/4 x 14 1/4 x 9 1/4"	29	Side	$599	$551	377-391	$160
JTK-91R	Inch Electro-Mech. Installer's Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	31	Side	639	588	377-910	200
JTK-91WW	Inch Electro-Mech. Installer's Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 12"	37	Side	749	689	377-911	310
JTK-91MM	Metric Electro-Mech. Installer's Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	33	Side	675	621	377-910	200

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Easy-to-remove wing pallets attach directly to case



JTK-88S JTK-88

JTK®-88

Inch/Metric Electro-Mechanical Kit

- Over 130 top quality tools, including 42 metric
- Metric tools on removable wing pallets allow technician to carry them only when needed

The ultimate in versatility. An inch/metric tool variety for servicing foreign and domestic equipment; Wing pallets hold metric tools, and are quickly detached at the hinge, eliminating 5 lbs.

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

The JTK-88 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

135 tools in all:
Baildriver set, inch (13): .050-3/8"
Baildriver set, metric (9): 1.5mm-10mm
Brush, steel scratch
Extension, driver blade, 4"
Handle, 4 1/2"
Knife, light-duty
Knife blades, #11
Mirror/magnet tool
Nutdriver blade set (9): 3/16-1/2"
Nutdriver blade set (10): 4-11mm
Pliers (6): chain nose with cutter, 6 1/2";
chain nose, mini, 4 3/4"; diagonal cutters, mini, 4";
groove joint, 10"; locking, 5"; slip joint, 6"
Scissors, electrician's
Screwdrivers, Phillips (4): #0 x 2 1/2" pocket clip;
#1 x 6"; #2 x 4"; #2 x 1 1/4" stubby
Screwdrivers, slotted (6): 1/8 x 2" pocket clip;
1/8 x 4"; 3/16 x 3"; 3/16 x 8"; 1/4 x 1 1/4" stubby; 1/4 x 4"
Screwdriver, Phillips/slotted ratcheting offset
Screw starter, double-ended
Socket set, 1/4" drive, (14): 3/16-1/2"
Socket set, 1/4" drive (9): 4-12mm
Soldering iron, 25W
Solder, pocket pack
Spline key set, 10 pc.
Stripper, 16-26 AWG
Stripper/cutter/crimper
Tape measure, inch/metric
Torxdrivers (4): T8; T10; T15; T20
Wrench, adjustable, 6"
Wrench set OE (13): 13/64-7/8"
Wrench set OE (13): 4-19mm
Tool case with pallets

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-88	Inch/MM Electro-Mechanical Kit	Deluxe Poly	3	17 3/4 x 12 3/4 x 7"	27	Winged	$635	$584	54-088	$225
JTK-88S	Inch/MM Electro-Mechanical Kit	Super Tough	8	17 3/4 x 14 1/2 x 9"	27	Winged	645	593	54-288	235

JTK®-67C

3-Sided Electrical Control Engineer's Kit

➥ **Over 100 insulated and non-insulated tools**

Provides an essential tool selection with room for optional test and diagnostic equipment in a single case. Two 18 x 12 x 2 1/4" outer compartments house tools and optional test equipment while the 18 x 12 x 4" center compartment has a padded pocket for a laptop or notebook computer and space for manuals, paperwork and diskettes. Case features web strap handles plus a shoulder strap.

A DMM and current clamp are suggested options with space provided for these and other options you may require.

For Prices & Specs - See bottom of page!



Shown with optional equipment

For additional 1000V insulated tools, see pages 214–216

The JTK-67 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

105 tools in all:
Bit set, 1/4" hex, 39 pc.
File, needle, 4 pc.
Hacksaw, mini
Hammer, ball peen 4 oz.
Handle, magnetic
Handle, 4 1/8"
Hex key set, ball end, .050-5/16" 12 pc.
Knife, snap blade
Magnifier 2X/4X with light
Mirror, telescoping with magnet
Mini-maglite, AA
Nutdriver blades, 3/16-1/2" 9 pc.
Parts boxes (4)
Pliers, insulated (2), long nose with cutter, 8"; diagonal cutter, 7"
Pliers, non-insulated, (3): diagonal cutter, 4 1/4"; long nose, 4 3/4"; groove joint, 4"
Punch, center, automatic
Rule, SS, 6"/15cm
Scissors, electrician's
Screwdrivers, insulated, Phillips: (8), #0 x 2 1/4", #1 x 3", #2 x 4", slotted: 1/8 x 3", 5/32 x 4", 3/16 x 5", 1/4 x 6", 1/8 x 3" pocket volt tester
Screwdriver set, mini, 6 pc
Screwstarter, slot/Phillips
Solder removal braid
Soldering iron
Tape measure, 12'/3.5m
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrist strap, anti-static
Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-23

Multi-Fastener Tool Kit

➥ **Contains over 80 of the most requested fastening tools**

➥ **Ideal for electro-mechanical tasks**

Provides the essential tools required for most fasteners in use today. Rugged Cordura® Plus case has room for all tools plus extra storage in the three external pockets: one pocket measures 12 x 10 x 2" and two measure 6 x 10 x 2". D-ring attached for optional shoulder strap.



JTK-23BLK JTK-23C

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



All JTK-23 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

82 tools in all:
Extension blade, 4"
Handles, 4 1/8", "T"
Hex key set, BP, 11 pc.
Hexdriver blades, 9 pc., .050-3/16"
Nutdriver blades, 9 pc., 3/16-1/2"
Pliers, (4) Long nose with cutter, 6 3/4"; diagonal cutter, 5"; locking, 5"; slip joint, 6"
Penlight w/batteries
Rule SS, 6"/15cm
Screwdriver, offset, ratchet
Screwdriver blades (3), #0, #1, #2
Screwdriver blades (3), 1/8, 3/16, 1/4"
Screwdriver, pocket, 3/32 x 2"
Screwdriver, pocket, #0 x 2"
Socket set, 5/16-1/2" 14 pc.
Tape measure, 12'/3.5m
Tamper Torx blades (3), T8, T10, T15
Torx fold-up, T6-T20 7 pc.
Wrench, adjustable (2), 6" and 8"
Wrench set, ignition, 13/64-3/8" 8 pc.
Wire crimper/stripper
Zipper Case

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-67C	Electrical Control Engineer's Kit	Triple Blue Cordura	–	17 x 11 x 8"	20	Fixed	$680	$626	54-067	$165
JTK-23C	Multi-Fastener Tool Kit	Single Blue Cordura	13	13 1/2 x 10 x 2 1/2"	9	Fixed	305	281	216-023	75
JTK-23BLK	Multi-Fastener Tool Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	9	Fixed	305	281	216-023BLK	75
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-23 Series Kits

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JTK®-94

Deluxe Industrial Kit with PROTO® Tools

- Over 90 tools with lifetime warranty . . . if a tool fails, we replace it
- Choose between two tool-case styles

For Prices & Specs - See bottom of page!



JTK-94WW



JTK-94F features a 4-sided "tote" case with foam Tool Control Pallets. Four precision cut pallets hold tools snugly. Case features a telescoping handle, four clear hinged dividers, four 1/4-turn latches, wheels, padlock hasp and spring-loaded handle. See page 288 for information on Jensen's Tool Control Program



JTK-94F

All tools in the JTK-94 are backed by Manufacturer's Lifetime Warranty

91 tools in all:

Pliers (4): Diagonal cutter, 7"; groove joint, 10"; long nose with cutter, 6"; slip joint, 8"
Hex key set, fold-up (8): 3/32-1/4"
Socket set, 3/8" drive (23): 3/8-7/8" regular and deep sockets, 3/8" drive ratchet, 3" and 6" extensions, 3/8" U-Joint, metal box
Socket set, 1/2" drive (20): 3/8" to 1 1/4" regular sockets; 1/2" drive ratchet; 5" and 10" extensions; 1/2" U-Joint; 1/2" drive hinge handle
Screwdrivers, rubber grip (9): Phillips #1 x 3, #2 x 4, #3 x 6, #2 x 1 1/2"; slotted 3/8 x 8, 5/16 x 6, 1/4 x 4, 3/16 x 3, 1/4 x 1 1/2"
Torx key set, fold up (9): T9-T40
Wrench adjustable (3): 6", 8", 10"
Wrench combination (15): 5/16-1 1/4"
Tool case with pallets

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-96

Industrial Tool Kit

- 148 tools: the right tool for every job

Our Largest Selection of Tools



3 Year Warranty on all Jensen Polyethylene cases (see page 5)

The JTK-96 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

148 tools in all:

Brush, cleaning
Brush, scratch
File set, 3 pc.
Fuse puller
Hacksaw with blade
Hammer, ball peen, 12 oz.
Hammer, dead blow, 18 oz.
Handle, file
Hex key set, 13 pc. .050-3/8"
Level, torpedo, magnetic, 9"
Magnetic pick-up tool, 15'
Mechanical finger, 24"
Pliers, (4): Diagonal cutter, 6"; long nose, 6 3/4"; groove joint, 7"; groove joint, 10"
Pliers, linesman, 9"
Pliers, locking, 7"
Pliers, internal/external retaining ring with tips
Reamer, hand
Rule, SS, 6"/15cm
Scribe/awl
Screwdriver set, 8 pc. Phillips #1 x 3"; #2 x 4"; #2 x 1 1/2"; slotted 1/4 x 1 1/2"; 1/4 x 4"; 5/16 x 6"; 3/16 x 6"; 3/8 x 8"
Screwdriver bit set, 30 pc. with handle/adapters
Snips, utility
Socket set, 50 pc. inch/mm, 1/4", 3/8" drive
Tape measure, 25'
Tapping tool, 6-in-1
Torx key fold-up, 8 pc.
Wrench, adjustable (2): 6" and 10"
Wrench set, combination 10 pc. 5/16-7/8"
Tool case with pallets

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-94WW	Deluxe Industrial Kit	Roto Rugged "Tote"	10	17 3/4 x 14 1/2 x 10"	54	Side	$935	$860	377-494	$345
JTK-94F	Deluxe Industrial Kit w/foam	4-Sided "Tote"	-	17 3/4 x 14 1/2 x 9"	48	Foam	1285	1090	54-196	679
JTK-96	Industrial Tool Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	47	Side	699	643	377-960	205

The JTK-75 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Inch Kit has 122 tools in all:
Alignment tools, (2)
Awl/scribe
Burnishers, (3)
Files (2): flat; rat tail, 6"
File handle
File kit, 5 1/2", 8 pc.
Gauge, feeler
Hammer, ball peen 4 oz.
Handle, driver blades, (2): Regular; T-style
Hemostats, straight* (2): 5", 6"
Hex driver blades (9): .050-3/16"
Hex key sets (2): inch; metric
Knife, electrician's
Mirror, inspection
Nutdriver blades (9): 3/16-1/2"
Oiler
Penlight w/batteries
Pliers (5): diag. cutter, 4 1/4"; diag. cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4"; long nose with cutter, 6 3/4"
Pliers: retaining ring, internal/external
Pliers, locking, 5"
Punch, center, 3/32"
Punch, pin, 1/16"
Rule, stainless, 6"
Screwdrivers (12): offset ratchet, slotted/Phillips; Phillips #0 x 2 1/2", pocket clip; Phillips #1 x 3"; Phillips #2, stubby; Phillips #2 x 4"; slotted, 3/32 x 2" pocket clip; slotted, 1/8 x 4"; slotted, 1/8 x 8"; slotted, 3/16 x 3"; slotted, 1/4", stubby; slotted, 1/4 x 4"; slotted, 5/16 x 6"
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Scissors
Socket set, 1/4" drive, 14 pc.
Solder aid, fork and brush
Soldering iron
Spring hooks (2): pull; push
Tester, outlet
Tweezers, reverse action
Wire crimper/stripper
Wire stripper/cutter, 16-26 AWG
Wrenches, adjustable (2): 4, 8"
Wrench set, ignition, 8 pc.
Tool case with pallets

JTK-75WIM also includes:
Hex driver blades (7); 1.27 - 5mm
Nut driver blades (12); 3 - 11mm
Punch (2), pin; 1mm, 3mm
Socket set (9); 4 - 12mm
Wrench set, open end (8); 4 - 9mm

Lifetime Guarantee on all Jensen brand hand tools

JTK®-75
Bio-Medical Technician's Kits

➥ Inch or inch/metric kits

For Prices & Specs - See bottom of page!



JTK-75WIM JTK-75RL





Optional divider system for JTK-75RL helps keep tool box organized

JTK®-7500
Medical Equipment Tool Kits

➥ Inch or inch/metric kits designed for Bio-medical Technicians

JTK-7500 is a basic kit in a single-sided Cordura® Plus case with two removable pallets (#9 and #10). There are three outside flapped pockets for extra storage: one measures 15 x 11 x 2" and two measure 7 1/2 x 11 x 2".

JTK-7500DBL is a double-sided case which contains the same tools as the JTK-7500 plus a third pallet filled with metric tools (#11) and a portfolio pallet (#8). The double-sided case has two individual tool compartments and also features three outside pockets. D-ring attached for optional shoulder strap. See page 48-49 for other available cases and pallets.



The JTK-7500 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

90 tools in all:
File, needle (3)
Handle, 4 1/8"
Hemostat, 5"
Hex key set, ball end (8): .050-5/32"
Knife, mini-utility
Mini-maglite
Mirror/magnetic retriever
Nutdriver blades (7): 3/16-7/16"
Pliers (4): diag. cutter, 5 1/4"; groove joint, 7"; diag. cutter, 4 1/4"; needle nose, 6 1/2"
Receptacle tester
Rule, stainless steel, 6"
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. slotted/Phillips
Screwdriver, Phillips/slotted (2): offset ratchet; stubby, 2-in-1
Screwdrivers, Phillips (3): #0 x 2"; #1 x 6"; #2 x 4"
Screwdriver, slotted, (3): 3/32 x 2"; 3/16 x 6"; 1/4 x 4"
Screwstarters (2): .102 x 6"; 9/64 x 6"
Scribe, machinist's, 3 points
Soldering iron
Soldering iron cover
Spring tool, combination push/pull
Tape measure, 10'/3m
Trimpot tool
Tweezers, boley style
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrench set, inch (7): 13/64-3/8"
Zipper tool case

JTK-7500DBL also includes:
Handle, 3 1/8"
Hex key set, metric (6): 1.5-5mm
Nutdriver blades (8): 4-9mm
Screwdriver set, jeweler's, 4 pc. metric
Wrench set (8): 4-9mm





QC Clip design makes pallet removal fast and easy

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-75RL	Inch Bio-Medical Technician's Kit	Monaco	1	17 5/8 x 12 3/4 x 7	23	Individual	$615	$566	377-856	$170
JTK-75WIM	Inch/MM Bio-Medical Tech's Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/4"	25	Side	735	676	377-964	205
377-006 NEW	Optional Divider System*	–	–	–	–	–	20	–	–	–
JTK-7500	Inch Medical Equipment Kit	Single Gray Cordura	13	15 1/4 x 10 3/4 x 3"	12	Quick Change	350	322	216-700	90
JTK-7500DBL	Inch/MM Medical Equipment Kit	Double Gray Cordura	14	15 1/4 x 10 3/4 x 6"	17	Quick Change	470	432	216-701	159
216-432	Optional Black Shoulder Strap**	–	–	–	–	–	10	9	–	–

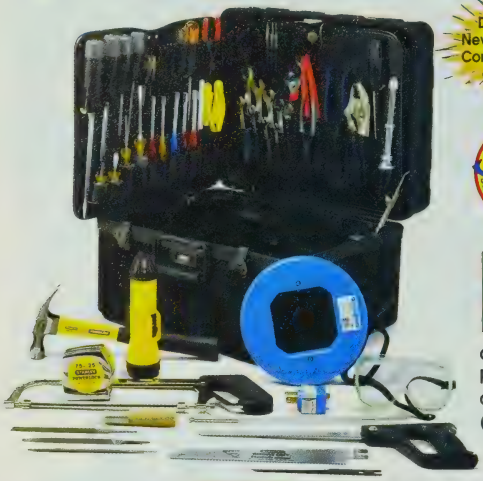
*For JTK-75RL only **For JTK-7500 series kits

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JTK®-51
Master Telecom Installer's Kit

- Installer's certification program selected tools
- Install racks, blocks, panels, mounts and cable

For Prices & Specs - See bottom of page!



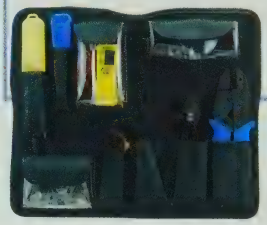
Don't miss our New JTK-53 Deluxe Communication Kit on page 298

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

Lifetime Guarantee on all Jensen brand hand tools

The JTK-51 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

55 tools in all:
Drill, push, with bits
File set, 3 pc.
Fish tape, 50' steel
Flashlight
Goggles
Hacksaw, heavy-duty
Hammer, straight claw
Handle, file
Icepick scribe
Knife driver
Nutdrivers (5): 1/4, 5/16, 3/8, 7/16, 1/2"
Pickup tool, 13 1/2"
Pliers (3): chain nose with cutter, 6"; diag. cutter, 5"; groove joint, 10"
Pliers, lineman's, 9 1/4"
Pliers, slip joint, 6"
Pliers, locking, 10"
Punch, center, 5/32"
Punches (2): pin, 1/16"; pin, 1/8"
Reamer, handled, 7 1/2"
Saw, 3 pc. with handle
Screwdrivers, Phillips (4): pocket; #2 stubby; #1 x 3"; #2 x 4"
Screwdrivers, slotted (6): pocket; 1/4" stubby; 3/16 x 6"; 1/4 x 4"; 5/16 x 6"; 3/8 x 8"
Screwstarter, double-ended
Tape measure, 25' x 1"
Tester, receptacle
Wire crimper/stripper
Wrenches, adjustable (2): 4", 8"
Wrench set, combination (8): 1/4 - 11/16"
Tool case with pallet



23-473
Enhancement Kit

Optional Enhancement Kit includes a cable cutter, Paladin three blade coaxial cable stripper, Jensen 110 punch down tool, tone generator, tone tracer and crimper frame with RJ-11, RJ-45, BNC 58, 59, 62 die sets and pallet. **Pallet** is also available without tools.

JTK®-45
Deluxe Telecom Installer's Kit

- Install, configure, wire CPE
- Outside pockets hold equipment, documents

These quality tools fill the needs of technicians installing communication devices in the field. Access, prep wires, terminate and dress cabling. Case holds toner, line aid, transparent pockets to see consumables/small parts.

Durable Cordura case contains three outside pockets: 13 x 10 1/2 x 1 1/2", 5 x 2 1/4 x 12" and 5 x 2 1/4 x 10". Metal D-rings built into web-strap handles for optional shoulder strap.

The JTK-45 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

41 tools in all:
Cable cutter, 8"
Can wrench
Hemostat, straight, 6"
Hex key set, fold-up (9), .050-3/16"
Knife-driver, electrician's
Pliers (2): chain nose with cutter, 6"; diagonal cutter, 5"
Pliers (2), shear cutter, flush; insulation skinner, 6"
Probe pic
Scissors, strip-jaw, electrician's
Screwdrivers (4): Phillips #1, #2; slotted 5/16 x 4"; cabinet slotted 3/16 x 6"
Screwdriver, Phillips, pocketclip, #0
Screwdriver, slotted, pocketclip, 1/8"
Screwstarter, double-ended, Phillips/slotted
Socket set, 1/4" drive, 14 pc.
Wire stripper, stranded 16-26 AWG
Wrench, adjustable, 6"
Zipper Case



Shown with Optional Equipment. Telecom Test Equipment, Tools and Accessories Begin on Page 175

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-51	Master Telecom Installer's Kit	X-tra Rugged Rota-Tough™ 7	–	17 3/4 x 14 1/2 x 10"	34	Side	$589	$542	377-051	$200
23-473	Enhancement Kit with Tools	–	–	–	5	–	325	299	–	–
23-472	Enhancement Pallet only	–	–	–	2	–	22	20	–	–
JTK-45	Deluxe Telecom Installer's Kit	Single Black Cordura	–	15 x 10 1/2 x 2"	9	Fixed	260	239	216-335	85
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-45 only

JTK®-44

Telecom Installer's Kit

- For telecom service technicians working in an office environment
- Plenty of room for optional test equipment

This compact zipper kit contains the basic service tools essential for equipment installation, troubleshooting and repair. Includes specialty items such as wire wrapping and unwrapping tools. Ample space is provided for optional service equipment as shown.

Available in brown and black Cordura® Plus nylon cases with webstrap handles and D-rings attached for optional shoulder strap. Large outside pocket measures 12 x 10 x 2" and two smaller pockets are 6 x 10 x 2" each.





Shown with Optional Test Equipment

See pages 175 to 197 for Telecom tools, test equipment and accessories

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
23-814	Punch Down Tool	182	$39
JTS-30	Test Set	175	150
TG-100	Tone Generator	182	32
TT-100	Tone Tracer	182	49



Optional Meters begin on page 70

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-44 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

15 tools in all:
Can wrench
Hex key set, fold up
Knife, electrician's
Lamp extractor
Nutdrivers (2): 1/4"; 5/16"
Pliers (2): diagonal cutter V/W notches, 5"; long nose with cutter narrow tip, 6"
Scissors, electrician's
Screwdriver, 6-in-1
Screwdriver, slotted, 3/32 x 2"
Screwdriver, Phillips, #0, x 2
Spudger
Wire unwrapping tool, 20-26 AWG
Wire wrapping tool, 22-24 AWG
Zipper case

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-44C	Telecom Installer's Kit	Single Brown Cordura	13	13 1/2 x 10 x 2 1/2"	5 1/2	Fixed	$269	$247	989-400	$71
JTK-44BLK	Telecom Installer's Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	5 1/2	Fixed	269	247	216-444	71
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
216-548	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–

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JTK-4400WB Kit shown with optional DMM and Crimp Tool



JTK-4400W

JTK-4400WB/LB



QC Clip design makes pallet removal fast and easy

JTK®-4400

Telecom Installation and Service Kits

- Available with or without test equipment
- Cordura® Plus cases feature removable pallets

Designed to meet the needs of Telecom professionals from beginner to senior level engineer. **JTK-4400LB Basic Kit** comes with all four pallets, the tools shown in pallet #5 plus parts box in pallet #7. **JTK-4400W Deluxe Kit** also offers all the tools and equipment in pallet #6 (excluding the optional Jensen meter). The meter pocket in pallet #6 measures up to 8 x 3 7/8 x 1 3/4", with room for a butt set in the outside pocket. The Cordura Plus case features heavy-duty padded web strap handles and D-rings attached for optional shoulder strap. Three outside pockets provide additional storage space, one measures 15 x 11 x 2" and two are 7 1/2 x 11 x 2".

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



See pages 48 & 49 for other pallets and options

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
JTS-30	Telecom Butt Set	175	$150
JTM-105	Jensen JTM-105 DMM	70	219
600-700	Jensen Crimp Tool Frame	154	42
600-556	RJ-11 Die Set	154	36
600-559	RJ-45 Die Set	154	36

The JTK-4400 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Basic Kit includes 32 tools in all:
Extension blade, 4"
Handle, driver (2): 3 1/8"; 4 1/8"
Hex driver, security type, 5/32 x 5"
Hex key set, fold-up, 5/64-1/4"
Knife driver, electrician's
Knife with hook blade
Mirror/magnetic retriever tool
Nutdriver blade (5): 1/4; 5/16; 3/8; 7/16; 1/2"
Parts box, 6 compartments
Pliers (2): Chain nose with cutter, 6 1/2"; diagonal cutter, 5"
Scissors, electrician's
Screwdriver blades (3): Phillips #1, #2; pocket #0 x 2"
Screwdriver blades (3): slotted 3/16; 1/4"; pocket 3/32 x 2"
Spudger (2)
Tester, phone line
Wire stripper, 20-30 AWG
Wrap/unwrap tool
Wrench, adjustable, 6"
Zipper Tool Case

These tools also included in JTK-4400W and JTK-4400WB
Cable Cutter
Lamp Extractor
Modular Adapter, 6 position
Punch Down Tool, 66 block
Tone Generator (TG-100)
Tone Tracer (TT-100)

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-4400W	Deluxe Telecom Installation Kit	Double Gray Cordura	14	15 x 11 x 6"	14	Quick Change	$570	$524	216-440	$160
	JTK-4400WB	Deluxe Telecom Installation Kit	Double Black Cordura	14	15 x 11 x 6"	14	Quick Change	570	524	216-441	160
	JTK-4400LB	Basic Telecom Installation Kit	Double Black Cordura	14	15 x 11 x 6"	13	Quick Change	360	331	216-441	160
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-46
Communications Maintenance Kit

- Available with/without test equipment
- Access, test and repair phone equipment, modems, FAX, switches and distribution systems

The JTK-46 is packed full of tools needed to maintain a variety of communications equipment. Available with or without test equipment, choose the kit that's right for you.

Tuff Cordura™ case has three exterior pockets providing room for spare parts, extra equipment and documents. Inside storage pocket may be used for storing test leads and small parts. D-rings attached for optional shoulder strap.

For Prices & Specs - See bottom of page!

ORIGINAL JTK JENSEN DESIGN



JTK-46WB
Communications Kit with Test Equipment

Buy kits with test equipment that include these items and save:
See JTK 46W and JTK46WB below.



23-814 & 23-110
Punch-Down Tool w/110 Blade (pg. 182)



JTS-30
Telephone Test Set (pg. 175)



TG-100
Tone Generator (pg. 182)



TT-100
Tone Tracer (pg. 182)



JTK-46CR/W JTK-46BLK/WB

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-46 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

60 tools in all:
Extension, driver blades, 4"
Handle, driver blades (2): 3 1/8, 4 1/8"
Hemostat, straight, 5"
Hex key set, fold-up (9), 5/64 - 1/4"
Insertion/extraction tool
Knife-driver, electrician's
Mirror/magnetic retriever
Modular adapter, 6 wire
Modular phone line tester
Nutdriver blades (7): 3/16, 1/4, 5/16, 1/32, 3/8, 7/16, 1/2"
Penlight w/batteries

Pliers (5): mini chain nose, 4 3/4"; diag. cutter, 5 1/4"; mini diag. cutter, 4 1/4"; groove joint, 6"; long nose, 6"
Probe pic
Rule, SS, inch/metric, 6"
Scissors, strip-jaw, electrician's
Screwdriver blades (6): Phillips, #0; #1, #2; slotted, 1/8, 1/4, 3/16"
Screwdriver, Phillips pocketclip, #0
Screwdriver, slotted pocketclip, 3/32"
Screwdriver, ratchet, offset Phillips/slotted
Screwdriver, 2-in-1
Screwdriver set, jeweler's (7)
Screwstarter, double-ended, Phillips/slotted
Spring tool, combination
Spudger
Trimpot adjuster
Tweezers, reverse-action
Wire strippers (2): solid, 22-30 AWG; stranded, 16-22 AWG
Wrench, adjustable, 6"
Wrist strap
Zipper Case

These tools also included in JTK-46W and JTK-46WB:
Punch Down Tool with 110 Blade
Test Set
Tone Generator
Tone Tracker

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-46CR	Communications Kit w/o Test Equip	Single Gray Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	$340	$313	216-046R	$85
JTK-46BLK	Communications Kit w/o Test Equip.	Single Black Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	340	313	216-046BLK	85
JTK-46W NEW	Communications Kit w/Test Equip.	Single Gray Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	617	568	216-046R	85
JTK-46WB NEW	Communications Kit w/Test Equip.	Single Black Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	617	568	216-046BLK	85
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

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JTK®-2100 Network Manager's Kit

- Available with/without test equipment
- Choose Cordura® Plus zipper case or Monaco attaché case, both with removable pallets

Cordura Plus Case (shown below) provides plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17 3/4 x 12 1/2 x 5 1/2") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17 3/4". D-rings attached for optional shoulder strap.

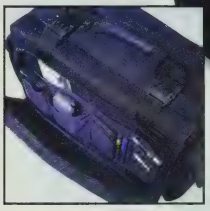


Optional divider system helps keep your toolbox organized

JTK-2100WM Shown with Optional Soldering Iron



JTK-2100W Shown with optional Meter and Test Set



Monaco Case (shown above) offers added protection and security when traveling. Additional room for optional test equipment and accessories.

Buy kits with test equipment that include these items and save:

See JTK-2100WM & JTK-2100W below



23-019 Modular Test Adapter (pg. 182)



23-814 & 23-110 Punch-Down Tool/110 Blade (pg. 182)



TG-100 Tone Generator (pg. 182)



TT-100 Tone Tracer w/Volume Control (pg. 182)

The JTK-2100 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

56 tools in all:
Cable cutter
Extension, 4"
Handle, 4 1/8"
Hemostat, straight, 6"
Hex key set, BP, 8 pc., .050-5/32"
Hex key set, BP, 6 pc., 1.5-5mm
Insert/extraction tool, D-sub
Knife, light-duty
Mini-maglite with batteries
Mirror/magnetic pick up tool
Nutdriver blades (4): 3/16-3/8"
Phone line tester
Pliers (5);
long nose with cutter, 6 1/2";
long nose, 4 3/4"; diagonal cutter, 4 1/4";
slip joint, 6"; locking, 5"
Receptacle tester
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, 4-way, pocket clip
Screwdriver, jeweler's set, 7 pc.
Screwdriver, security, 10-in-1, Torx/tamper Torx
Screwdrivers (7); slotted 3/32 x 2", 1/8 x 4", 3/16 x 8", 1/4 x 4"; Phillips #0 x 2", #1 x 6", #2 x 4"
Screwstarter, 6" double end
Tape measure, 12'/3.5m
Trimpot tool
Wire stripper, 16-26 AWG
Wrench, Adjustable, 6"
Wrist strap, ESD
Tool case

These tools also included in JTK-2100W/JTK-2100WM:
Modular adapter, 6 wire
Punch down tool w/110 blade
Tone generator
Tone tracer

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-2100LM	Network Manager's Kit without Test Equipment	Monaco	1	17 3/4 x 12 3/4 x 5"	17	Individual	$470	$432	377-210	$175
JTK-2100WM	Network Manager's Kit with Test Equipment	Monaco	1	17 3/4 x 12 3/4 x 5"	18	Individual	610	561	377-210	175
377-007 NEW	Optional Divider System for Monaco Case	–	–	–	–	–	20	–	–	–
JTK-2100L	Network Manager's Kit without Test Equipment	Triple Cordura	15	17 3/4 x 12 3/4 x 11"	14	Quick Change	480	442	216-100	185
JTK-2100W	Network Manager's Kit with Test Equipment	Triple Cordura	15	17 3/4 x 12 3/4 x 11"	15	Quick Change	620	570	216-100	185
216-113	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-2100L and JTK-2100W

JTK®-5 Network Kit

- Available w/wo test equipment
- Roomy case holds tools, equipment and connectors

Contains a strong selection of networking hand tools. Spacious case provides additional pockets for cutters, strippers, crimpers and connectors. Clear pockets and parts boxes allow easy inventory of consumables. Rugged Cordura® Plus case has three padded outside pockets for test equipment; one is 10 x 7 x 2" and two are 10 x 4 x 2", plus a large 16 x 11 x 2" pocket on the opposite side. D-rings are attached for optional shoulder strap.

For Prices & Specs - See bottom of page!



Shown with Optional Test Equipment





JTK-5 JTK-5B/5WB

The JTK-5 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

45 tools in the JTK®-5:
Adapter, modular, 6-wire, in-line
Extension blade, 4"
Gender changers, 25-Pin (2) F/F; M/M
Handle, driver blades, (2): 3 1/8, 4 1/8"
Hex key set (9): 5/64-1/4"
Insertion/extraction tool
Knife
Mirror/magnetic retriever
Nutdriver blades (3), 3/16; 1/4; 5/16"
Parts boxes (3)
Penlight w/batteries
Pliers,(3): chain nose with cutter, 6 3/4"; mini chain nose, 4 3/4"; mini diagonal cutter, 4 1/4"
Pliers, locking, curved, 5"
Probe pic
Scissors, electrician's strip jaw
Screwdriver blades, Phillips (3): #0, #1, #2
Screwdriver blade, slot (3): 1/8, 1/4, 3/16"
Screwdriver, pocketclip (2): Phillips, #0, slotted 2/32"
Tester, receptacle
Torx blades (3): T10, T15, T20
Wire stripper, 16-26 AWG
Wrench, adjustable 6"
Tool Case

These tools included in the JTK®-5WB:
Punch Down Tool w/110 blade
Tone Generator (Jensen TG-100)
Tone Tracer (Jensen TT-100)
Twisted Pair/Coax Stripper

Suggested Options

Cat. No.	Description	See Page	Each
559-082	MicroScanner	119	399.00
759-010	Wire Wrap Tool	193	105.00
497-144	4-Way Indent Crimp Tool	150	77.00
600-696	Ratcheting Crimper	151	50.00
414-004	RJ Jack Identifier	161	32.95
JTS-45	Test Set	175	189.00

Lifetime Guarantee on all Jensen brand hand tools

JTK®-2900 Network Support Kit

- Contains a comprehensive selection of top quality hand tools to meet your most demanding support needs
- Black ballistic nylon case gives a professional look

This handsome tool case features a large outer flap with latching buckles and an extra padded foam grip handle. It is extremely versatile, rugged, water resistant and easily cleaned. Solder iron pocket is made of heat resistant Nomex. D-rings are attached for optional shoulder strap.

JTK-2900 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

60 tools in all:
Alignment tool
Contact insert/extract tool
DIP inserter
DIP extractor
Extension, 4"
Handle, 4 1/8"
Hemostat, 5"
Hex keys, fold-up, inch (9): .050-3/16"
Hex keys, fold-up, metric (7): 1.5-6mm
Knife, electrician's
Mini-maglite
Nutdriver blades (6), 3/16-3/8"
Pliers, (5): locking, 5"; diag. cutter, 4"; diag. cutter, 5"; long nose w/cutter, 6 1/2"; groove joint, 7"
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver, offset ratchet, slotted/Phillips
Screwdrivers (6): Phillips #0 x 2", #1 x 6", #2 x 4"; slotted 3/32 x 3", 3/16 x 6", 1/4 x 4"
Telephone outlet tester
Tamper-Torx blades (3): TT8, TT10, TT15
Torx key, fold-up (8) T6-T25
Wire stripper, 16-26AWG
Wrench, adjustable, 6"
Wrist strap, grounding
Zipper tool case



QC Clip design makes pallet removal fast & easy





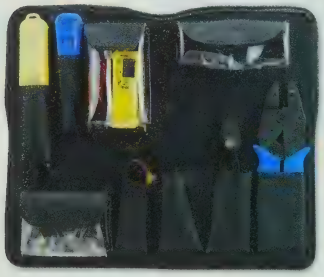
See pages 48-49 for additional case and pallet configurations.

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-5	Network Kit	Double Gray Cordura	14	16 1/2 x 12 1/2 x 5"	13	Fixed	$339	$312	216-005	$130
JTK-5B	Network Kit	Double Black Cordura	14	16 1/2 x 12 1/2 x 5"	13	Fixed	339	312	216-500	130
JTK-5WB	Network Kit w/Test Equipment	Double Black Cordura	14	16 1/2 x 12 1/2 x 5	13	Fixed	485	446	216-500	130
JTK-2900	Network Support Kit	Single Black Cordura	–	15 x 11 x 2 1/2"	12	Quick Change	335	308	216-030	95
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-5000
Network & PC Maintenance Kit

Specifically designed for those who require a hard side case with a large kit for installing and maintaining networks and computers. Offers a large selection of basic hand tools and has an optional pallet full of cable specific tools. The case bottom is divided into three sections, two are foam-filled.



23-473 Enhancement Kit

Optional enhancement kit includes a cable cutter, Paladin 3 blade coaxial cable stripper, Jensen 110 punch tool, tone generator, tone tracer and crimper frame with RJ-11, RJ-45, and BNC RG-58, 59, 62 die sets.

LAN products, test equipment and accessories begin on page 70

3 Year Warranty on all Jensen Polyethylene cases (see page 5)



The JTK-5000 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

87 tools in all:
Coax cutter
Extension, driver blade, 4"
Handle, 4 1/8"
Hemostat, 6"
Hexdriver, security, 5/32 x 5"
Hex Key set, inch, 12 pc.
IC insertion tool, CMOS
Key cap puller
Knife, pocket
Lead former
Magna-lite, 10-power
Mirror/magnetic retriever
File set, needle, (3)
Nutdriver blade set (7): 3/16 - 1/2"
Parts boxes (2)
Parts holder, 3-prong
Penlight w/ batteries
Phone line
Pliers (3): chain nose with cutter, 6 3/4"; chain nose, mini, 4 3/4"; diagonal cutter, 4"
Pliers, locking, 5"
Probe-pic
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, jeweler's set, 7 pc.
Screwdriver, offset ratchet, slot/Phillips
Screwdriver, Phillips (3): #0 x 2 1/2", pocket clip; #1 x 6"; #2 x 4"
Screwdriver, slotted (4): 1/4 x 4"; 1/8 x 4"; 3/16 x 8"; 3/32 x 2", pocket clip
Screwholding drivers (3): .102 x 6"; 3/16 x 6"; 9/64 x 6"
Socket set, 1/4" drive, 14 pc.
Spring tool, combination
Stripper/cutter/crimper
Stripper/cutter
Torxdrivers, security (3): T10; T15; T20
Trimpot tool
Tweezer, Boley-Style
Wrench, adjustable, 6"
Wrist strap, grounding
Tool case with pallet

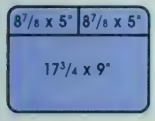
Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-5000	Network & PC Maint. Kit	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	26	Winged	$625	$575	377-101	$235
23-473	Enhancement Kit	–	–	–	5	–	325	299	–	–
23-472	Enhancement Pallet Only	–	–	–	2	–	22	20	–	–

JTK®-2000

Computer Service Kit

- Available in inch or metric versions
- Deep Rota-Tough™ Case features three compartments in bottom of case

For Prices & Specs - See bottom of page!





JTK-2000DRT



JTK-2000

3 Year Warranty on all Jensen Polyethylene cases (see page 5)

The JTK-2000 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

99 tools in all:
Contact insertion/removal tool RS-232
DIP insertion tool
DIP removal tool
Extension blade, 4"
Feeler gauge, inch/metric
Files, needle (3): flat; round; Tri-Square
Handle, regular, 4⅛"
Handle, T-style
Hemostat, 6"
Hex driver blades, ball-end (7): .050 - 5/16"
Knife, precision
Lead former
Magnifier with light
Mirror, magnetic retrieval tool (telescoping)
Nutdriver blades (7): 3/16 - 1/2"
Parts box
Parts holder, 3 prong
Penlight, w/batteries
Pliers (6): diagonal, 5¼"; diagonal, thin, 4¼"; groove joint, 7"; mini long nose, 4¾"; needle nose, 6"; retaining ring, internal/external
Pliers, locking, LN 6"
Ratchet set, 16 pc. (hex, Phillips/slotted)
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. (slotted/Phillips)
Screwdrivers, Phillips (3): #0 x 2"; #1 x 6"; #2 x 4"
Screwdrivers, slotted (6): 3/32 x 2"; 1/8 x 8"; 1/8 x 4"; 1/4 x 4"; 5/16 x 4" 2-in-1
Screwstarter, Phillips/slotted, 9"
Socket set, ¼" drive, 14 pc.
Spring tool, push/pull
Tape measure, 10'/3m
Telephone line tester
Torx Blades (2): T10, T15
Trimpot tool
Tweezers, reverse action
Wire crimper/stripper
Wire stripper, 16-26 AWG
Wrenches adjustable (2): 4 and 8"
Tool case with pallets

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-2001

Computer Service Kit

- Choice of slimline poly attaché or Cordura® Plus zipper case

Switch the same tool pallets between soft and hard cases as the need arises. Cordura case has D-rings attached for optional shoulder strap.



QC Clip makes removing pallets fast and easy



JTK-2001Z

JTK-2001S

The JTK-2001 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

86 tools in all:
DIP extraction tool
DIP insertion tool
Extension blade, 4"
Files, needle: flat, square, tri.
Handle, regular 4⅛"
Hemostat, straight, 6"
Hex key set, ball-end, inch, 8 pc.
Insert/extract tool #20 pin/socket
Knife, pocket electrician's
Mirror/magnet, telescoping
Nutdriver blades (9): 3/16-1/2"
Parts box
Penlight w/batteries
Phone outlet tester
PLCC extractor
Pliers (7): mini chain nose 4¾"; diag. cutters 4, 5"; groove joint 4"; locking jaw 5"; needle nose 6"; slip joint 6"
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, jeweler's, 7 pc.
Screwdriver, offset ratchet, Ph/Sl
Screwdrivers (8): Phillips #0 x 2½", #1 x 6", #2 x 4"; slotted 3/32 x 2", 1/8 x 8", 3/16 x 8", 1/4 x 4", 5/16 x 6"
Screwstarter, Phillips/slotted
Socket set, ¼" drive, 14 pc.
Stripper, 16-26AWG stranded
Stripper/cutter/crimper
Tape Measure, 12'/3.5M
Torx driver, (4): T8-10-15-20
Trimpot tool
Tweezer, reverse action
Wrench, adjustable,6"
Wrist strap, static
Tool case with pallets

†NSN: call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-2000	Computer Service Kit	Monaco™	1	17¾ x 12¾ x 5"	19	Individual	$505	$465	377-325	$170
	JTK-2000MM	Metric Computer Service Kit	Monaco™	1	17¾ x 12¾ x 5"	21	Individual	539	496	377-325	170
†	JTK-2000DRT	Computer Service Kit	Rota-Tough™	6	17¼ x 14 /: x 8"	24	Individual	539	496	377-200	195
	JTK-2001S	Computer Service Kit	Slimline Poly Attaché	3	17¾ x 12¾ x 3¼"	21	Individual	499	459	54-101	165
	JTK-2001Z	Computer Service Kit	Single Cordura	13	17¾ x 12¾ x 5"	18	Quick Change	439	404	216-201	105
	216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*for JTK-2001Z only

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-34 PC Technician's Kit

➥ Inch and metric tools ➥ Rugged Cordura® Plus cases

Contains both inch and metric professional service tools to cover most PC service applications, with room for optional DMM. Case also features three external pockets for larger accessories: one is 11 x 9 x 2" and two are 5 1/2 x 9 x 2". Web strap handles with soft rubber grips and D-rings for optional shoulder strap.

For Prices & Specs - See bottom of page!



Shown with optional meter (See page 70)



JTK-34 JTK-34BK

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-34 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

52 tools in all:
Alignment tool
BP hex keys, inch (11) .050 - 1/4"
BP hex keys, metric (7) 1.5-6mm
Extension blade, 4"
Files, needle (3)
Handles (2) 4 1/8, 3 1/8"
IC insertion tool
IC extraction tool
Nutdriver blades, inch (4) 3/16, 1/4, 5/16, 3/8"
Nutdriver blades, metric (2) 5mm, 7mm
Parts holder, 3-prong
Penlight w/batteries
PLCC removal tool
Pliers (3) diagonal cutter; 4 1/4", mini long nose; 4 3/4", ignition,#5"
RS232 contact insert/removal tool
Screwdriver blades (6) Phillips #0, #1, #2; slotted 1/8, 3/16, 1/4"
Screwdrivers (2) pocket clip, #0 x 2" Phillips, 3/32 x 2" slotted
Trimpot adjustment tool
Torx screwdrivers w(3), T8, T10, T15
Wrench, adjustable 4"
Zipper case

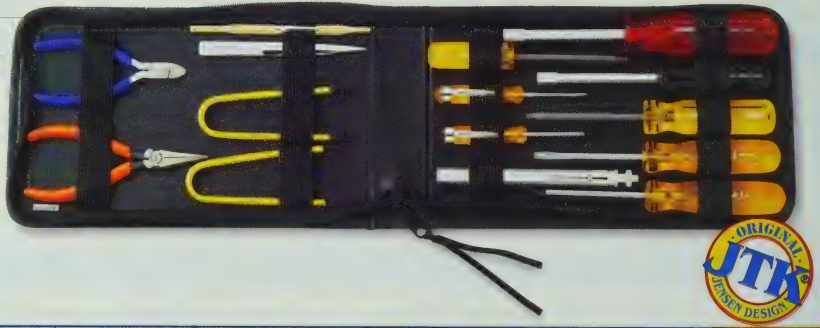
Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-4V PC Mini-Kit

➥ Everything needed for minor PC service/repair
➥ Compact - lightweight - easily transported - 2 1/2 lbs.

The JTK-4 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

15 tools in all:
IC extractor
IC inserter
Nutdriver (2): 3/16, 1/4"
Penlight w/ batteries
Pliers (2): diagonal cutter 4 1/4", long nose 4 3/4"
Screwdriver, Phillips (2): #0, #1
Screwdriver, slotted (2): 1/8, 3/16"
Torx® Drivers (2): T10, T15
Trimpot tool
Tweezer, self-locking
Tool case



†NSN: call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-34	PC Technician's Kit	Single Gray Cordura	13	11 1/2 x 10 x 2 1/2"	5 1/2	Fixed	$210	$193	54-034	$70
JTK-34BK	PC Technician's Kit	Single Black Cordura	13	11 1/2 x 10 x 2 1/2"	5 1/2	Fixed	210	193	54-255	70
216-432	Optional Black Shoulder Strap*	–		–	–	–	10	9	–	–
† JTK-4V	PC Mini-Kit	Zipper Case	–	10 x 6 x 2"	2 1/2	Fixed	75	69	216-004	15

*For JTK-34 Series

JTK®-6100
PC Support Kit

- Service PCs, workstations, networks
- Long life Cordura® Plus case

Contains over 50 of the most popular PC service tools. Three external pockets for extra storage. One is 12 x 10 x 2" and two are 6 x 10 x 2". Web strap handles with D-rings attached for optional shoulder strap.

For Prices & Specs - See bottom of page!

JTK-6100 JTK-6100BLK





Shown with Optional Meter

The JTK-6100 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

53 tools in all:
Alignment Tool (2)
Files, Needle (3)
Handles (2): 4 1/8, 3 1/8"
Hex Keys, fold-up (9) .050 - 3/16"
Hemostat, 3 1/2" straight
Knife, pocket
Mirror/magnet retriever
Nutdriver Blades (7): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8"
Parts box
Parts holder, 3-prong
Penlight w/batteries
Pliers, ignition, 5"
Pliers (4): mini-diagonal, 4"; mini-chain nose, 4 3/4"; groove joint, 7"; needle-nose, 6"
Screwdriver blades (6): Phillips #0, #1, #2; slotted 1/8, 3/16", 1/4"
Screwdriver, 3/32 x 2" with clip
Screwdriver, #0 x 2 1/2" with clip
Screwstarter, double, 6"
Trimpot adjustment tool
Torx set, fold-up (7), T6-T20
Wire stripper/cutter
Wrench, adjustable 4"
Tool case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-4SD PC Mini-Kit with ESD Tools

A revised version of our ever popular JTK-4V. This kit incorporates ESD drivers and pliers as well as key cap puller; all the basics needed for minor PC service and repair.

The JTK-4SD Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

15 Tools in all:
Handle, driver, ESD
Key cap puller
Mirror, plastic inspection
Nutdriver blades (2), 1/4", 3/16"
Parts holder
Penlight w/batteries
Phillips blades (2), #0, #1
Pliers, diagonal 4 1/4"
Pliers, long nose 4 3/4"
Slotted blades (2), 3.0mm, 6.0mm
Torx blades (2), T10, T15
Tool case, vinyl zipper



Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-6100	PC Support Kit	Single Blue Cordura	13	13 1/2 x 10 x 2 1/2"	7	Fixed	$249	$229	54-610	$70
JTK-6100BLK	PC Support Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	7	Fixed	249	229	216-610BLK	70
JTK-4SD	PC Mini-Kit with ESD Tools	Single Black	–	10 x 6 x 2"	3	Fixed	79	73	216-004SD	15
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-6100 Series

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JTK®-50

PC Kits

- Basic single or expanded double sided Cordura® Plus cases
- Most needed tools for maintaining, upgrading and repairing PCs and workstations

Single Sided Case features three external pockets: one is 10 1/2 x 9 x 2" and two are 5 1/2 x 9 x 2".

Double Sided Case also features three external pockets: one is 13 x 10 x 2" and two are 6 1/2 x 10 x 2". Case has two main sections holding tools on one side and diagnostic equipment such as loop plugs, ROMs and test boards on the other. It also has a briefcase section with dividers and pockets.



Upgrading & Repairing PCs

Find the best way to assess your system, install hardware, and troubleshoot problems. Detailed information and specifications on motherboards, processors, memory, disk drives, and every component in a PC including major peripherals. Special sections detail system capabilities and upgrade options, and trouble-shooting tips. Appendixes provide a collection of technical information, tables, charts, vendor and technical terms. The technical reference bookshelf contains more than 6000 pages of detailed technical information on CD-ROM. 1100 pages.

Cat.No.	Description	Each
58-005	Upgrading & Repairing PCs (Book and CD-ROM)	$59.99

The JTK-50 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

JTK-50/50B includes 20 tools in all:
Extractor, DIP
Inserter, DIP
Insertion/extraction tool, RS-232
Mirror, inspection
Nutdrivers (2): 3/16, 1/4"
Penlight w/batteries
Pliers, chain nose, 4 3/4"
Pliers, diagonal, 4"
Screwdriver, double-ended, pocket
Screwdrivers (6): Phillips #1 x 3", #0 x 2.5" pocket, #2 x 4"; slotted 1/4 x 4", 3/32" x 2" pocket, 3/16" x 3"
Screwdrivers, Torx, (2): T10, T15
Wire crimper/stripper
Wrench, adjustable, 4"
Cordura Plus Zipper Case

JTK-50DBLB includes three additional tools:
Extractor, DIP and Inserter DIP are replaced by:
IC extractors (3): 8-24 pin DIP, 24-40 pin DIP, PLCC
IC inserters (2): 14-16 pin DIP, 24-28 pin DIP

†NSN: call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-50	PC Kit	Single Blue Cordura	13	11 1/2 x 10 x 2 1/2"	5	Fixed	$175	$161	54-071	$71
	JTK-50B	PC Kit	Single Black Cordura	13	11 1/2 x 10 x 2 1/2"	5	Fixed	175	161	54-014	71
	JTK-50DBLB	PC Kit	Double Black Cordura	14	13 1/2 x 10 x 5"	9	Fixed	265	244	216-052BLK	115
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-49 PC Workstation Kits

- Rugged single or double sided Cordura® Plus case with padded external pockets
- Quality tool selection for trouble-shooting, service and maintenance

Single Sided Case features three padded external pockets: one is 12 x 10 x 2" and two are 6 x 10 x 2".

Double Sided Case has three padded external pockets: one is 14 x 10 x 2" and two are 10 x 7 x 2".

Both cases have D-rings attached for optional shoulder strap.

CD ROM/Diskette Pallet Simply remove clipboard to install for JTK-49DBLR and JTK-49DBLRB only.



JTK-49CR JTK-49CBR JTK-49DBLR JTK-49DBLRB



JTK-49CBR
Single Sided Case

The JTK-49 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

48 tools in all:

Contact, insert/extract tool
DIP, extraction tool
Extraction tool, PLCC
Extension blade, 4"
File, needle, round
Handles, driver blades, (2): 3 1/8, 4 1/8"
Hemostats, straight, 6"
Hex blades (6): .050, 1/16, 3/32, 5/64, 7/64, 1/8"
Knife, push-button
Mirror/magnet tool
Nutdriver blades, (7): 1/4, 11/32, 3/16, 3/8, 5/16, 7/32, 9/32"
Parts holder, 3-prong
Pliers (3): diagonal cutter, 4 1/4"; long nose, 4 3/4"; diagonal cutter, 5"
Pliers, 4 3/4" groove joint
Pliers, locking, 5"
Scissors, electrician's w/serration and strip notch
Screwdriver blades, Phillips (3): #0, #1, #2
Screwdriver, Phillips, pocket
Screwdriver blades, slotted (3): 1/4, 1/8, 3/16"
Screwdriver, offset ratchet
Screwdriver, slotted, pocket
Screwstarter, Phillips/slotted, 6"
Spudger
Telephone line tester
Screwdrivers, torx; T10, T15, T20
Trimpot tool
Wire stripper
Wrench, adjustable, 4"
Tool case, Cordura



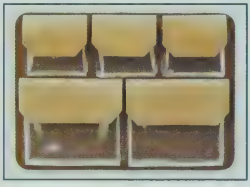
JTK-49DBLR
Double Sided Case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Optional CD ROM/ Diskette Pallet



†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-49CR	PC Workstation Kit	Single Blue Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	$305	$281	54-507R	$75
	JTK-49CBR	PC Workstation Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	305	281	216-122R	75
	JTK-49DBLR	PC Workstation Kit	Double Khaki Cordura	14	14 1/2 x 10 1/2 x 2 1/2"	12	Fixed	365	336	216-492R	135
	JTK-49DBLRB	PC Workstation Kit	Double Black Cordura	14	14 1/2 x 10 1/2 x 2 1/2"	12	Fixed	365	336	216-492RB	135
	216-249	Optional CD Rom/Diskette Pallet*	Khaki	–	–	1	–	18	17	–	–
	216-249B	Optional CD Rom/Diskette Pallet*	Black	–	–	1	–	18	17	–	–
	216-548	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

*For JTK-49DBLR and JTK-49DBLRB

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Create-A-Kit™

- Customize a tool kit specifically designed around your needs and applications
- Choose from six case styles and 17 different pallet configurations



QC Clip makes pallet removal fast and easy



Sample Pallet configuration shown in Single Sided Case

Simple Two-Step Process . . .

❶ Select Your Tool Case

Choose between a single, double or triple sided Cordura Plus case, or our Attaché style single sided ballistic nylon case. All cases accept any of the tool pallets shown on the following page.

Single and Double sided cases feature three outside pockets, one measures 15 x 11 x 2" and two are 7½ x 11 x 2". Heavy-duty web-strap handles and D-rings attached for optional shoulder strap.

NEW **Triple sided case** has an outside zippered document pocket that measures 9 x 15½ " and a center storage area that measures 15 x 11 x 4½ ". Padded side pockets measure 4 x 9 x 2½ ". Also features heavy-duty web-strap handles, combination locks and D-rings attached for optional shoulder strap.

Attaché case has large outer flap with latching buckles, an extra padded foam-grip handle and two zipper pockets. D-rings attached for optional shoulder strap.



Single Sided Double Sided Triple Sided Attaché

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Inside Dimensions (L x W x D)	Tool Pallet Capacity	Each 1-2	3-9
216-750	Case only	Single Gray Cordura	13	15 x 11 x 3"	2	$60.00	$55.00
216-760	Case only	Single Black Cordura	13	15 x 11 x 3"	2	60.00	55.00
216-301	Case only	Double Gray Cordura	14	15 x 11 x 6"	4	95.00	87.00
216-401	Case only	Double Black Cordura	14	15 x 11 x 6"	4	95.00	87.00
216-402	Case only	Triple Black Cordura	15	15 x 11 x 9.5"	4	130.00	120.00
216-029	Case only	Black Attaché	–	15 x 11 x 3"	2	65.00	60.00
216-432	Optional Black Shoulder Strap	–	–	–	–	10.00	9.00

❷ Select Your Pallets . . . with or without tools (see pg. 49 for photos)

Empty Pallets					Pallets with Tools		
Cat. No.	Each 1-2	3-9	Pallet No.	Description (Tool list on FaxBack Doc. #20)	Cat. No.	Each 1-4	5-9
216-302	$18.00	$17.00	1	Screwdrivers, etc.	9123-001	$79.00	$73.00
216-303	18.00	17.00	2	Pliers, etc.	9123-002	120.00	110.00
216-305	18.00	17.00	3	99® Series Tools, etc.	9123-003	85.00	78.00
216-306	18.00	17.00	4	Wrenches, etc.	9123-004	110.00	101.00
216-105	18.00	17.00	5	99® Series Tools Pliers, etc.	9123-005	215.00	198.00
216-106	18.00	17.00	6	Telecom Test, etc. (w/o meter)	9123-006	259.00	238.00
216-106	18.00	17.00	6	Telecom Test, etc. (w/ Jensen JTM-105)	9123-006M	439.00	404.00
216-107	18.00	17.00	7	Accessory Pallet	N/A	N/A	N/A
216-108	18.00	17.00	8	Document Portfolio	N/A	N/A	N/A
216-751	18.00	17.00	9	99® Series Pliers, Screwdrivers	9123-009	125.00	115.00
216-752	18.00	17.00	10	Pliers, Mini-Wrenches, etc.	9123-010	145.00	133.00
216-753	18.00	17.00	11	99® Series Precision Tools, etc.	9123-011	85.00	78.00
216-776	13.00	12.00	12	Clipboard, 13 x 9½"	N/A	N/A	N/A
216-775	13.00	12.00	13	Notebook Computer Pallet, 12 x 10 x 2½"	N/A	N/A	N/A
216-314	18.00	17.00	14	Pliers, Fold-Up Keys, etc.	9123-314	145.00	133.00
216-099	18.00	17.00	15	All 99® Series Tools	9123-015	130.00	120.00
216-249B	18.00	17.00	16	CD-ROM and Diskettes Pallet	N/A	N/A	N/A
216-315	18.00	17.00	17	99® Series Screwdrivers, Pliers, Pouch	9123-317	105.00	97.00

SAVE TIME . . . select one of three pre-assembled, application-oriented tool kit designs in their respective sections: Bio-Medical (pg. 35) - Telecom (pg. 38) - Network/PC (pg. 41)

216-302
1


216-303
2


216-305
3

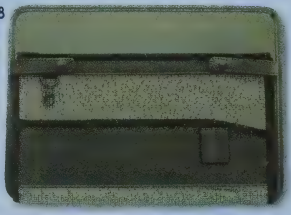

216-306
4

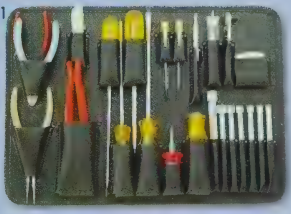

216-105
5


216-106
6

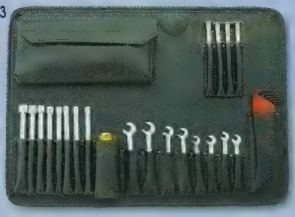
Shown with Optional Meter

216-107
7


216-108
8


216-751
9


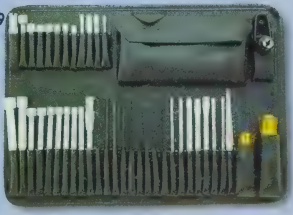
216-752
10

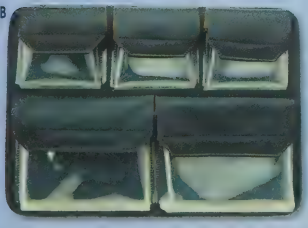

216-753
11


216-776
12


216-775
13


216-314
14


216-099
15


216-249B
16


216-315
17


FaxBack®
602-453-2671
24 Hours / 7 Days

Some pallets shown with optional equipment. For a complete listing of tools included in pallets, please call our FaxBack Service. Request document #20

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



VK®-7 Basic Field Service Kit

➥ **Ideal for field service, trade schools, office, shop or personal use**

These economical kits feature 64 top quality domestic and foreign tools most needed for a variety of electronic, electrical and mechanical maintenance tasks.

The kit is offered in a black polyethylene case with two removable pallets and heavy-duty loop-stitched elastic straps designed to hold the tool assortment safe and secure. Two key-lock latches and combination lock provided security. This kit will give you years of dependable service.

The following Tools are included in the VK-7 Basic Field Service Kit

64 tools in all:

- Alignment tools (2)
- Feeler gauge
- Hammer, ball peen, 4 oz.
- Handle, driver blades, $4^1/_2$"
- Hemostat, 5"
- Hexdriver blades (6): $^1/_{16}$ - $^9/_{64}$"
- Knife, mini
- Mirror, inspection
- Nutdriver blades (6): $^3/_{16}$-$^1/_2$"
- Penlight w/batteries
- Pliers (5): diagonal cutter, $4^1/_2$"; diagonal cutter, 6"; groove joint, 8"; long nose, $4^1/_2$"; long nose with cutter, $6^1/_2$"
- Punch, center, $^3/_{32}$"
- Punches, pin (2): $^1/_{16}$; $^1/_8$"
- Rule, stainless, 6"
- Scissors, thin-line"
- Screwdrivers (11): offset; Phillips, #0 x 2", #1 x 3", #2 stubby, #2 x 4"; slotted, $^1/_8$ x 2", $^3/_{16}$ x 6", $^3/_{16}$ x 3"; $^1/_4$" stubby, $^1/_4$ x 4", $^5/_{16}$ x 6", offset
- Screwstarter, Phillips/slotted
- Socket set, $^1/_4$" drive, 14 pc.
- Solder aid, fork and hook
- Soldering iron
- Spring tool, combination
- Tweezers, reverse action
- Wire crimper/stripper
- Wrenches, adjustable (2): 4"; 8"
- Tool case with pallets



Need a meter to complete your kit? Optional Meters begin on page 70 JTM-69



VK®-8P Deluxe Field Service Kit

➥ **Economically priced, excellent value**

➥ **Ideal for field service, trade schools, office, shop or personal use**

The Deluxe Kit contains over 100 tools required to install and repair a variety of electronic equipment. Tools have been carefully selected to meet high performance standards while keeping price in mind.

The kit is offered in a black polyethylene case with two removable pallets and heavy-duty loop-stitched elastic straps designed to hold the tool assortment safe and secure. Two key-lock latches and combination lock provide security. This kit will give years of dependable service.

The following Tools are included in the VK-8P Deluxe Field Service Kit

104 tools in all:

- Desolder wick
- Hammer, ball peen, 4 oz.
- Handle, (2) $4^1/_8$", $3^1/_8$"
- Hex driver blades, (9): .050-$^3/_{16}$"
- Hex key set, (10): .028-$^5/_{32}$"
- IC extractor"
- IC inserter
- Knife, precision with 5 blades
- Mirror, inspection
- Needle file set, 8 pcs."
- Nutdriver blades, (9): $^3/_{16}$-$^1/_2$"
- Penlight w/batteries
- Pliers, (7): groove joint, 10"; slip joint, 6"; locking, 5"; long nose with cutter, 6"; long nose, $4^1/_2$"; diagonal cutter, $4^1/_2$"; diagonal cutter, $5^1/_4$"
- Punches, (3): $^3/_{32}$" center, $^1/_8$ & $^1/_{16}$" pins
- Screwdriver set, jeweler's, 7 pc.
- Screwdrivers, (11): Phillips, #0 x $2^3/_4$", #1 x 3", #2 x 4", #2 stubby; Slotted, $^1/_8$ x $2^1/_2$", $^1/_8$ x 4", $^3/_{16}$ x 3", $^3/_{16}$ x 6", $^1/_4$ x 4", $^1/_4$ x $1^1/_4$" stubby, $^5/_{16}$ x 6"
- Screwstarter, double-end, slot/Phillips
- Scriber, needle point
- Socket set, 14 pc., $^1/_4$" drive, $^3/_{16}$-$^1/_2$"
- Soldering iron
- Solder aid, knife/brush
- Spline key set, 10 pc.
- Wire crimper/stripper/cutter
- Wrench, adjustable 6"
- Tool case with pallets

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
VK-7	Basic Field Service Kit	Lightweight Poly	4	$17^3/_4$ x $12^3/_4$ x $4^3/_4$"	22	Individual	$305	$281	356-712	$135
VK-8P	Deluxe Field Service Kit	Lightweight Poly	4	$17^3/_4$ x $12^3/_4$ x $4^3/_4$"	23	Individual	405	373	23-178	139

VK®-6 Compact Economy Tool Kit

Includes most standard tools required for servicing or repairing electronics and electrical equipment.

Zipper case is constructed of handsome vinyl with an inside-flapped pocket, heavy-duty zipper, and durable elastic strap tool holders. Stores easily in a desk drawer or file cabinet.



These tools are included in the VK-6 Economy Tool Kit

39 tools in all:
- Birchwood stick
- Hemostat, 3 1/2"
- Knife, light-duty
- Nutdriver blades (5): 3/16, 1/4, 3/8, 7/16, 1/2"
- Nutdriver handles (2): 3 1/8, 4 1/8"
- Pliers (4): diag. cutter, 5 1/4"; long nose, 4 3/4; long nose, 6 3/4"; slip joint, 6"
- Rule, 6"
- Scissors, thinline, 5"
- Screwdrivers (4): Phillips offset, pocket clip; slotted offset, pocket-clip
- Screwdriver blades (4): Phillips #1, #2; slotted 3/16", 1/4"
- Solder aid
- Solder removal tool
- Soldering iron
- Wire stripper/cutter
- Wrench, adjustable, 6"
- Wrench set, Allen hex
- Zipper Case

VK®-5 Multi-Fastener Service Kit

➥ Perfect for light mechanical work ➥ More than 50 tools

This compact multi-use kit features all of the essential fastening tools. A padded vinyl zipper case with heavy-duty elastic strap holders holds the tools securely, with an inside pouch for test leads and spare parts. Metric kit has all metric drivers.



These tools are included in the VK-5 Multi-Fastener Service Kit

54 tools in all:
- Extension blade, 4"
- Handle, driver blades (2): 3 1/4; 4 1/4"
- Hemostat, 6"
- Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
- Knife, precision
- Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/8"
- Penlight w/batteries
- Pliers (3): diagonal 5"; groove joint, 7"; long nose, 6 1/2"
- Rule, 6"
- Scissors, thinline
- Screwdriver blades (6): Phillips, #0; #1; #2; slotted, 1/8, 3/16, 1/4"; offset, ratchet
- Screwdrivers (2): Phillips, pocket clip; slotted, pocket clip
- Socket set, 1/4", 13 pc.
- Tape measure, 10'/3M
- Torx key, fold up set
- Wrenches adjustable (2): 4"; 8"
- Zipper Case

VK®-1 Mini-PC Kit

- ➥ All drivers have lifetime warranty
- ➥ Compact, lightweight padded vinyl case

Kit contains the basic tools needed to access, service and upgrade most PCs. Compact zipper case fits almost anywhere: desk drawer, briefcase, luggage, etc.



These tools are included in the VK-1 Mini-PC Kit

15 tools in all:
- IC extractor
- IC inserter
- Nutdrivers (2): 3/16, 1/4"
- Parts holder, 3 prong
- Penlight w/batteries
- Pliers (2): diag. cutter, 4 1/2", long nose, 5"
- Screwdriver, Phillips (2): #1, #2
- Screwdriver, slotted (2): 1/8", 3/16"
- Torx drivers (2): T10, T15
- Trimpot tool
- Zipper case

VK®-2 PC Repair Kit

- ➥ Ideal for service and repair of most PCs
- ➥ Compact, lightweight polyester case

Kit contains the essential tools needed for access, service and repair of most PCs and related equipment. Zipper case is rugged black polyester material with lots of space inside for tools and three exterior pockets for larger items: one is 10 x 9 x 1" and two are 5 x 9 x 1".



These tools are included in the VK-2 PC Repair Kit

21 tools in all:
- IC extractor
- IC inserter
- Insertion/extraction tool RS232 contacts
- Mirror, inspection
- Nutdrivers (2): 3/16, 1/4"
- Parts holder
- Penlight w/batteries
- Pliers (2): diag. cutter, 4 3/4", long nose, 4 3/4"
- Screwdrivers (6): Phillips #0 x 2 3/4", #1 x 3", #2 x 4"; slotted 1/8 x 2", 3/16 x 3", 1/4 x 4"
- Torx drivers (2): T10, T15
- Trimpot tool
- Wire crimper/stripper
- Wrench, adjustable, 4"
- Zipper case

Cat. No.	Description	Case Style	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
VK-6	Economy Tool Kit	–	–	11 1/4 x 9 3/4 x 1 1/2"	7	Fixed	$120	$110	207-075	$25
VK-5	Inch Multi-Fastener Kit	–	–	13 1/2 x 10 x 2 1/2"	7	Fixed	180	166	23-535	41
VK-5M	Metric Multi-Fastener Kit	–	–	13 1/2 x 10 x 2 1/2"	8	Fixed	180	166	23-535	41
VK-1	Mini-PC Kit	–	–	10 x 6 x 2"	3	Fixed	55	51	216-004	15
VK-2	PC Repair Kit	–	–	11 1/2 x 10 x 2"	6	Fixed	115	106	216-002	45

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
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Take-Off Lid Style



Attaché Style

JENSEN®

Heavy-Duty Shipping Containers

- Lightweight and rugged
- Padlockable
- All cases available empty...call for price

A safe, economical way to ship electronic devices, computer peripherals, or other sensitive equipment. Made of lightweight high-density polyethylene, similar to airline shipping containers. Strong male/female closures and full-length piano hinges. Clear anodized hardware resists corrosion. Quarter-turn military style latches, molded-in ridges. Spring-loaded steel handles. Rubber gasket helps seal out dirt and moisture. Permanent non-chip white finish is impervious to solvents. Assorted shipping decals (arrows, delicate unit, handle with care) are included. Padlock eyes accept standard padlock (sold separately – see page 53).

Foam-Filled models are filled with dense 2 lb. foam. **Foam-Lined** containers are lined with 2" of foam on all sides. Foam is removable.

How to Select a Shipping Container

Measure piece(s) of equipment to be shipped. Add 4" to each dimension: length, width and height for foam. If more than one piece is to be shipped in the same container, allow 2" of foam between the items. 2" of 2 lb. density foam will normally provide adequate protection for your equipment.

Jensen shipping container dimensions are wall-to-wall inside. To determine usable space within the foam lined cases, subtract 4" from each dimension given. For example, an 18 x 18 x 18" foam-lined case would be ideal for a 14 x 14 x 14" piece of equipment.

Jensen foam-filled cases are offered in a variety of styles and sizes to suit individual needs and preferences. We can provide custom foam cutting on quantity orders. For information call 800-426-1194.

MADE IN USA

GSA FSS Contractor

GSA Contract No.: GS-14F-8847B
Call for sizes on contract: 800-426-1194

Take-Off Lid Style Foam-Lined			Inside Dimensions		Take-Off Lid Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-184	29 lbs.	$349	20 x 20 x 24"	12 + 12	377-184F	33 lbs.	$359
377-186	25 lbs.	359	22 x 22 x 21"	$10^1/2 + 10^1/2$	377-186F	36 lbs.	369
377-187	35 lbs.	349	$22^1/2$ x $18^1/2$ x 28"	14 + 14	377-187F	44 lbs.	439
377-189*	22 lbs.	439	24 x 24 x 30"	15 + 15	377-189F*	27 lbs.	519
377-192*	22 lbs.	449	$26^1/2$ x $26^1/2$ x 26"	13 + 13	377-192F*	27 lbs.	529
377-193*	27 lbs.	499	34 x $25^3/4$ x 26"	13 + 13	377-193F*	33 lbs.	569
377-194	20 lbs.	408	$35^1/8$ x 18 x 20"	10 + 10	377-194F	24 lbs.	447
377-196*	50 lbs.	453	37 x 22 x 28"	14 + 14	377-196F*	64 lbs.	564
377-197	50 lbs.	428	38 x 22 x 20"	10 + 10	377-197F	56 lbs.	525
377-198	68 lbs.	642	57 x 30 x 14"	11 + 3	377-198F	82 lbs.	710
377-201	52 lbs.	740	57 x 30 x 22"	11 + 11	377-201F	57 lbs.	873

*Too large to ship UPS – must ship via truck.

Attaché Style Foam-Lined			Inside Dimensions		Attaché Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-111	9 lbs.	$209	$13^7/8$ x $8^7/8$ x 9"	$6^1/2 + 2^1/2$"	377-111F	9 lbs.	$219
377-112	10 lbs.	229	16 x 9 x 9"	6 + 3"	377-112F	10 lbs.	239
377-114	11 lbs.	239	$17^7/8$ x $9^7/8$ x $12^1/4$"	$10^1/2 + 1^3/4$"	377-114F	12 lbs.	249
377-116	11 lbs.	169	$17^3/4$ x $14^1/2$ x $6^3/8$"	$3^5/8 + 2^3/4$"	377-116F	11 lbs.	179
377-117	13 lbs.	179	$17^3/4$ x $14^1/2$ x 9"	5 + 4"	377-117F	14 lbs.	189
377-203	13 lbs.	185	$17^3/4$ x $14^1/2$ x 12"	$8^1/2 + 3^1/2$"	377-203F	15 lbs.	199
377-118	15 lbs.	199	$18^3/4$ x $18^3/4$ x 8"	4 + 4"	377-118F	15 lbs.	219
377-121	15 lbs.	209	$18^3/4$ x $18^3/4$ x 10"	6 + 4"	377-121F	17 lbs.	249
377-155	18 lbs.	259	$18^3/4$ x $18^3/4$ x 13"	9 + 4"	377-155F	21 lbs.	259
377-122	8 lbs.	189	$19^1/8$ x $8^7/8$ x 6"	$3^1/2 + 2^1/2$"	377-122F	8 lbs.	199
377-124	15 lbs.	249	$20^1/2$ x $14^1/2$ x 10"	5 + 5"	377-124F	16 lbs.	269
377-126	14 lbs.	219	$21^3/4$ x $14^1/2$ x 8"	5 + 3"	377-126F	15 lbs.	239
377-165	16 lbs.	229	$23^3/4$ x $15^1/4$ x 11"	$5^1/2 + 5^1/2$"	377-165F	17 lbs.	269
377-127	21 lbs.	229	$23^1/2$ x $18^1/2$ x 10"	5 + 5"	377-127F	23 lbs.	269
377-271	21 lbs.	269	27 x 19 x 10"	5 + 5"	377-271F	24 lbs.	279
377-128	23 lbs.	349	$27^1/4$ x $24^1/4$ x 7"	$3^1/2 + 3^1/2$"	377-128F	25 lbs.	359
377-131	18 lbs.	249	$28^7/8$ x $14^1/4$ x 10"	5 + 5"	377-131F	20 lbs.	269
377-291	20 lbs.	259	$28^7/8$ x $17^1/4$ x 11"	$5^1/2 + 5^1/2$"	377-291F	23 lbs.	319

GSA ★GSA Contract No.: GS-14F-8847B Call for sizes on contract: 800-426-1194

Footlocker Style Foam-Lined			Inside Dimensions		Footlocker Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-311	15 lbs.	$239	20 1/2 x 12 3/4 x 11 1/2"	9 + 2 1/2"	377-311F	16 lbs.	$249
377-132	14 lbs.	239	21 1/8 x 10 5/8 x 12"	9 1/2 + 2 1/2"	377-132F	15 lbs.	239
377-205	25 lbs.	289	23 1/2 x 18 1/2 x 17 1/2"	14 + 3 1/2"	377-205F	28 lbs.	329
377-136	13 lbs.	269	24 1/8 x 9 x 14 1/4"	12 1/2 + 1 3/4"	377-136F	14 lbs.	289
–	–	–	24 x 9 x 5"	2 1/2 + 2 1/2"	377-259F	15 lbs.	219
377-185	21 lbs.	279	28 7/8 x 14 1/4 x 14"	11 + 3"	377-185F	23 lbs.	319
377-137	23 lbs.	289	28 7/8 x 14 1/4 x 17"	12 + 5"	377-137F	27 lbs.	319
377-215*	43 lbs.	399	34 x 25 3/4 x 16"	13 + 3"	377-215F*	50 lbs.	499
377-195	31 lbs.	339	35 1/8 x 18 x 15"	10 + 5"	377-195F	35 lbs.	369
377-138	35 lbs.	369	35 1/8 x 18 x 20"	10 + 10"	377-138F	47 lbs.	429
377-372*	40 lbs.	389	37 x 22 x 19"	14 + 5"	377-372F*	48 lbs.	469
377-221*	37 lbs.	379	38 x 22 x 12"	10 + 2"	377-221F*	40 lbs.	419
377-414*	30 lbs.	439	41 x 14 x 16"	14 + 2"	377-414F*	35 lbs.	429

* Too large to ship UPS - must ship via truck.



Footlocker Style

Square-Shaped Style Foam-Lined			Inside Dimensions		Square-Shaped Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-140	10 lbs.	$219	14 1/2 x 13 1/8 x 12"	10 + 2"	377-140F	11 lbs.	$229
377-142	11 lbs.	219	14 x 14 x 9"	6 + 3"	377-142F	11 lbs.	229
377-151	15 lbs.	225	15 3/4 x 14 3/4 x 13 1/2"	6 3/4 + 6 3/4"	377-151F	16 lbs.	229
377-143	19 lbs.	269	17 3/4 x 14 1/2 x 19"	17 + 2"	377-143F	22 lbs.	299
377-191	21 lbs.	279	18 3/4 x 18 3/4 x 18"	14 + 4"	377-191F	25 lbs.	299
377-144	23 lbs.	289	18 3/4 x 18 3/4 x 21"	15 + 6"	377-144F	26 lbs.	309
377-146	21 lbs.	329	20 x 20 x 16"	8 + 8"	377-146F	25 lbs.	339
377-202	24 lbs.	339	20 x 20 x 20"	12 + 8"	377-202F	29 lbs.	359
377-148	29 lbs.	349	20 x 20 x 24"	12 + 12"	377-148F	33 lbs.	369
377-150	25 lbs.	349	22 x 22 x 17 1/2"	10 1/2 + 7"	377-150F	30 lbs.	379
377-152	31 lbs.	359	22 x 22 x 21"	10 1/2 + 10 1/2"	377-152F	36 lbs.	389
377-135*	32 lbs.	339	24 x 24 x 17 1/2"	15 + 2 1/2"	377-135F*	37 lbs.	419
377-424*	33 lbs.	359	24 x 24 x 21 3/4"	15 + 6 3/4"	377-424F*	40 lbs.	449
377-153*	42 lbs.	399	24 x 24 x 30"	15 + 15"	377-153F*	51 lbs.	489
377-154	33 lbs.	379	26 1/2 x 26 1/2 x 16"	8 + 8"	377-154F	40 lbs.	439
377-157	37 lbs.	389	26 1/2 x 26 1/2 x 20"	12 + 8"	377-157F	46 lbs.	459
377-207*	39 lbs.	419	26 1/2 x 26 1/2 x 23"	13 + 10"	377-207F*	49 lbs.	499
377-208*	41 lbs.	429	26 1/2 x 26 1/2 x 26"	13 + 13"	377-208F*	54 lbs.	489

* Too large to ship UPS - must ship via truck.



Square-Shaped Style

Combo Style - 3 Handles Foam-Lined			Inside Dimensions		Combo Style - 3 Handles Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-161	17 lbs.	$279	20 1/2 x 14 1/2 x 15"	12 + 3"	377-161F	21 lbs.	$289
377-162	20 lbs.	285	20 1/2 x 14 1/2 x 19"	15 + 4"	377-162F	23 lbs.	289
377-163	20 lbs.	309	20 x 20 x 10"	5 + 5"	377-163F	21 lbs.	359
377-164	20 lbs.	319	20 x 20 x 13"	8 + 5"	377-164F	23 lbs.	339
377-166	21 lbs.	329	22 x 22 x 10"	5 + 5"	377-166F	22 lbs.	349
377-167	22 lbs.	339	22 x 22 x 13"	8 + 5"	377-167F	25 lbs.	369
377-168	23 lbs.	289	24 x 24 x 10"	7 1/4 + 2 3/4"	377-168F	25 lbs.	299
377-175	24 lbs.	299	24 x 24 x 13 1/2"	6 3/4 + 6 3/4"	377-175F	29 lbs.	359
377-169	18 lbs.	259	25 x 13 3/8 x 11"	5 1/2 + 5 1/2"	377-169F	19 lbs.	269
377-315	21 lbs.	279	25 x 13 3/8 x 15 1/4"	12 1/2 + 2 3/4"	377-315F	23 lbs.	299
377-171	22 lbs.	289	25 x 13 3/8 x 18"	13 + 5"	377-171F	25 lbs.	299
377-172	24 lbs.	279	27 x 19 x 12"	8 + 4"	377-172F	27 lbs.	299
377-273	25 lbs.	289	27 x 19 x 14"	8 + 6"	377-273F	28 lbs.	309
377-174	26 lbs.	299	27 x 19 x 16"	8 + 8"	377-174F	29 lbs.	329
377-178	31 lbs.	349	30 x 23 x 12"	8 + 4"	377-178F	32 lbs.	369
377-302	42 lbs.	359	30 x 23 x 14"	8 + 6"	377-302F	44 lbs.	379
377-180	43 lbs.	369	30 x 23 x 16"	8 + 8"	377-180F	45 lbs.	389
377-181	24 lbs.	299	35 1/8 x 18 x 10"	5 + 5"	377-181F	25 lbs.	339
377-182	24 lbs.	339	37 x 22 x 10"	5 + 5"	377-182F	28 lbs.	369
377-183	40 lbs.	489	46 x 23 x 11"	5 1/2 + 5 1/2"	377-183F	45 lbs.	579



Combo Style

Master Lock.



Secure Your Container

TOUGH UNDER FIRE

Cat.No.	Description	Each
40-175	Combo Lock 1" Shackle	$18.95

Wheeled versions now available!

Select models are available with heavy-duty ball-bearing wheels. **(See page 56).**



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



ZERO CORPORATION

MADE IN USA

GSA FSS Contractor

★GSA Contract No.: GS-14F-8847B

Airtight/Watertight Roto-Molded Foam-Filled Shipping Containers

- Meets standards ATA 300, Cat. 1; MIL-T-28800; MIL-C-4150; MIL-STD-800
- Pressure relief valve

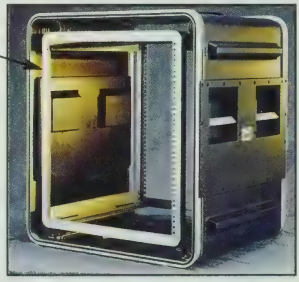
Extra rugged shipping containers, rotationally molded of durable polyethylene for uniform wall thickness throughout. Permanent gray color, compounded as part of the molding process, stands up to tough abuse without showing wear. Resists most chemicals and solvents, and has a pressure relief valve. Integral tongue-and-groove closure interlocks top and bottom shells. Gasket ensures a watertight seal. Recessed military-style hardware prevents damage. Interlocking raised ribs add strength and easy trouble-free stacking. Lids are completely removable for ease in loading and unloading. Foam-Filled Cases have layered 2 lb. density foam which is easily removed and cut to match your equipment.

Cat. No.	Inside Dimensions L x W x D	Weight	Each 1-2	3-9
743-301	8 x 8 x 12" (10/2)	7 lbs.	$145	$133
743-100	17 x17 x 14" (9/5)	24 lbs.	235	216
743-103	20 x 20 x 18" (14/4)	35 lbs.	325	299
743-101	22 x 21 x 10" (6/4)	30 lbs.	315	290
743-106	26 x 24 x 23" (18/5)	58 lbs.	525	483
743-102	31 x 13 x 12" (8/4)	25 lbs.	365	336
743-104	34 x 19 x 19" (14/5)	40 lbs.	395	363
743-105	34 x 24 x 16" (12/4)	67 lbs.	515	474

Additional sizes available as special order. Call 800-426-1194

FREE Same Day Shipping See p. 3

Shock-Mount



Rackmount



SKB

GSA FSS Contractor

★GSA Contract No.: GS-14F-8847B

Rackmount Cases

- Rugged
- Lightweight
- Economical
- Stackable

Molded from ultra-high molecular-weight polyethylene. Ribs and bumpers absorb shock, vibration and protect the case hardware. Tongue-and-groove aluminum valance with O-ring seal and hardened steel 10-32 nut retainers clip to front pre-punched aluminum flange.

Rackmount cases are 19" deep with endcaps. Rackable depth is 17".

Shock-Mount Cases offer maximum protection. These racks are larger, 23 3/4" deep with endcaps. Choice of 8, 12 or 16 space models. Rackable depth is 20". (USA)

Rackmount Cases

Cat. No.	Description	Inside Dimensions H x W x D	Each 1-2	3-9
356-002	2 Space	3 1/2 x 19 x 15 1/2"	140	129
356-004	4 Space	7 x 19 x 15 1/2"	$150	$138
356-006	6 Space	10 1/2 x 19 x 15 1/2"	170	156
356-008	8 Space	14 x 19 x 15 1/2"	195	179
356-100	10 Space	17 1/2 x 19 x 15 1/2"	220	202
356-120	12 Space	21 x 19 x 15 1/2"	245	225

Shock-Mount Cases

Cat. No.	Description	Inside Dimensions H x W x D	Each 1-2	3-9
356-908	8 Space	14 x 19 x 20"	$399	$367
356-912*	12 Space	21 x 19 x 20"	499	459
356-916*	16 Space	28 x 19 x 20"	599	551

*Too large to ship UPS, must ship via truck
Limited lifetime factory warranty

ATA Shipping Cases

platt

Heavy-Duty ATA Cases with Wheels and Telescoping Handle

FREE Same Day Shipping See p. 3

- ATA 300 compliant
- Spring loaded handle and latches are recessed for added durability

Heavy-duty polyethylene ATA cases with **recessed hardware**. The exterior shell is tough impact resistant HMW polyethylene. Heavy-duty aluminum rim and gasket, twist-draw latches, combination lock, full-length piano hinge and spring loaded handle. Filled with pre-cut foam.

Cases include wheels and telescoping handle for convenient transportation.





Cat. No.	Description	L x W x D (ID)	B/T Lid	Weight	Each 1-4	5-9
373-220W	ATA Heavy-Duty Case	19 5/8 x 13 3/4 x 9"	5/4"	14 lbs.	$286	$263
373-229W	ATA Heavy-Duty Case	21 1/2 x 15 1/2 x 9"	5/4"	18 lbs.	299	275
373-013W	ATA Heavy-Duty Case	23 1/2 x 15 x 11"	5/6"	18 lbs.	310	285
373-012W	ATA Heavy-Duty Case	23 3/4 x 17 3/4 x 11"	5 1/2 x 5 1/2"	22 lbs.	324	298
373-011W	ATA Heavy-Duty Case	27 1/2 x 19 1/2 x 11"	5 1/2 x 5 1/2"	27 lbs.	368	339
373-014W	ATA Heavy-Duty Case	25 x 23 x 16"	7/9"	30 lbs.	420	386
373-015W NEW	ATA Heavy-Duty Case	31 3/4 x 22 x 11"	5 1/2 x 5 1/2"	34 lbs.	386	355



GSA FSS Contractor

GSA Contract No.: GS-14F-8847B
Call for sizes on contract:
800-426-1194

MADE IN USA

JENSEN® by

Medium-Duty Pull Handle Shipping Cases on Wheels

- Choose empty, lined or filled
- ATA 300 compliant

Jensen's line of medium-duty cases feature wheels and telescoping handle for easy transport. Shell is constructed of HDPE polyethylene and features molded-in bumpers and ribs to absorb shock and protect hardware. The tongue & groove aluminum valance adds further styling and strength, and is fitted with a neoprene O-ring gasket to provide a tight, moisture-resistant seal. Locking latches are field replaceable.



FREE Same Day Shipping See p. 3



Empty				Foam-Lined				Foam-Filled				Dimensions (ID)	
		Price Each				Price Each				Price Each			
Cat. No.	Weight	1-2	3-9	Cat. No.	Weight	1-2	3-9	Cat. No.	Weight	1-2	3-9	L x W x D	B/T Split
356-700	12 lbs.	$175	$161	356-700L	15 lbs.	$199	$183	356-700F	16 lbs.	$214	$197	18 x 18 x 13"	8 + 5"
356-710	15 lbs.	185	170	356-710L	17 lbs.	205	189	356-710F	18 lbs.	215	198	19 5/8 x 14 x 10"	6 + 4"
356-720	19 lbs.	195	179	356-720L	21 lbs.	215	198	356-720F	22 lbs	225	207	22 x 18 x 8"	4 1/2 + 3 1/2"
356-770	22 lbs.	255	235	356-770L	24 lbs.	285	262	356-770F	26 lbs.	305	281	24 x 17 x 14 1/4"	9 1/2 + 5 1/4"
356-730	24 lbs.	295	271	356-730L	26 lbs.	329	303	356-730F	29 lbs	364	335	25 x 23 x 14"	8 + 6
356-740	31 lbs.	305	281	356-740L	33 lbs.	345	317	356-740F	36 lbs.	397	365	29 x 21 1/8 x 17"	9 + 8"
356-750	42 lbs.	355	327	356-750L	45 lbs	405	373	356-750F	48 lbs.	458	421	30 x 25 x 15"	7 1/2 + 7 1/2"
356-760	43 lbs.	375	345	356-760L	48 lbs.	435	400	356-760F	55 lbs.	510	469	34 x 26 x 18 3/4"	11 + 7 1/2"
356-780	45 lbs.	385	354	356-780L	50 lbs	445	409	356-780F	57 lbs	525	483	36 1/8 x 21 1/8 x 19"	11 + 8"

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JENSEN®

Heavy-Duty Wheeled Shipping Containers

Select Foam-Filled or Foam-Lined!



- Available in four case styles
- Lightweight and rugged
- All cases available empty ... call for price

Transport and ship electronic devices, computer peripherals, or other sensitive equipment. Made of lightweight high-density polyethylene. Strong male/female closures and full-length piano hinges. Clear anodized hardware resists corrosion. Quarter-turn military style latches, molded-in ridges. Spring-loaded steel handles. Rubber gasket helps seal out dirt and moisture. Permanent non-chip white finish is impervious to solvents. Assorted shipping decals (arrows, delicate unit, handle with care) are included. Padlock eyes accept standard padlock.

Foam-Filled models are filled with dense 2 lb. foam.

Foam-Lined containers are lined with 2" of foam on all sides. Foam is removable.

See pages 52-53 for case and style descriptions.



GSA FSS Contractor

GSA Contract No.: GS-14F-8847B
Call for sizes on contract: 800-426-1194

Secure Your Container

Master Lock.

Cat.No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

Heavy-duty ball-bearing wheels standard on these containers.

Foam-Lined Cat. No.	Weight	Each 1-2	3-9	Inside Dimensions L x W x D	Bottom/Lid	Foam-Filled Cat. No.	Weight	Each 1-2	3-9
Attaché Style						**Attaché Style**			
377-271W	26 lbs.	$299	$275	27 x 19 x 10"	5 + 5"	377-271WF	27 lbs.	$319	$293
377-291W	25 lbs.	309	284	28 7/8 x 17 1/4 x 11"	5 1/2 + 5 1/2"	377-291WF	26 lbs.	329	303
Footlocker Style						**Footlocker Style**			
377-205W	26 lbs.	$329	$303	23 1/2 x 18 1/2 x 17 1/2"	14 + 3 1/2"	377-205WF	30 lbs.	$359	$330
377-215W	41 lbs.	469	431	34 x 25 3/4 x 16"	13 + 3"	377-215WF	52 lbs.	519	477
377-195W	32 lbs.	379	349	35 1/8 x 18 x 15"	10 + 5"	377-195WF	37 lbs.	399	367
377-138W	37 lbs.	419	385	35 1/8 x 18 x 20"	10 + 10"	377-138WF	49 lbs.	469	431
377-372W	41 lbs.	439	404	37 x 22 x 19"	14 + 5"	377-372WF	50 lbs.	489	450
377-221W	39 lbs.	439	404	38 x 22 x 12"	10 + 2"	377-221WF	42 lbs.	469	431
377-414W	33 lbs.	419	385	41 x 14 x 16"	14 + 2"	377-414WF	37 lbs.	439	404
Square-Shaped Style						**Square-Shaped Style**			
377-150W	27 lbs.	$389	$358	22 x 22 x 17 1/2"	10 1/2 + 7"	377-150WF	32 lbs.	$409	$376
377-152W	33 lbs.	399	367	22 x 22 x 21"	10 1/2 + 10 1/2"	377-152WF	38 lbs.	419	385
377-135W	31 lbs.	399	367	24 x 24 x 17 1/2"	15 + 2 1/2"	377-135WF	39 lbs.	439	404
377-424W	37 lbs.	379	349	24 x 24 x 21 3/4"	15 + 6 3/4"	377-424WF	42 lbs.	449	413
377-153W*	44 lbs.	479	441	24 x 24 x 30"	15 + 15"	377-153WF*	53 lbs.	549	505
377-154W	35 lbs.	469	431	26 1/2 x 26 1/2 x 16"	8 + 8"	377-154WF	42 lbs.	479	441
377-157W	39 lbs.	479	441	26 1/2 x 26 1/2 x 20"	12 + 8"	377-157WF	48 lbs.	499	459
377-207W	45 lbs.	489	450	26 1/2 x 26 1/2 x 23"	13 + 10"	377-207WF	51 lbs.	519	477
377-208W*	45 lbs.	509	468	26 1/2 x 26 1/2 x 26"	13 + 13"	377-208WF*	55 lbs.	539	496
Combo Style - 3 Handles						**Combo Style - 3 Handles**			
377-166W	23 lbs.	$369	$339	22 x 22 x 10"	5 + 5"	377-166WF	24 lbs.	$379	$349
377-167W	24 lbs.	379	349	22 x 22 x 13"	8 + 5"	377-167WF	27 lbs.	389	358
377-168W	25 lbs.	329	303	24 x 24 x 10"	7 1/4 + 2 3/4"	377-168WF	27 lbs.	349	321
377-175W	26 lbs.	339	312	24 x 24 x 13 1/2"	6 3/4 + 6 3/4"	377-175WF	31 lbs.	359	330
377-172W	26 lbs.	319	293	27 x 19 x 12"	8 + 4"	377-172WF	29 lbs.	329	303
377-273W	27 lbs.	329	303	27 x 19 x 14"	8 + 6"	377-273WF	30 lbs.	339	312
377-174W	28 lbs.	339	312	27 x 19 x 16"	8 + 8"	377-174WF	31 lbs.	349	321
377-181W	26 lbs.	349	321	35 1/8 x 18 x 10"	5 + 5"	377-181WF	27 lbs.	359	330
377-182W	26 lbs.	379	349	37 x 22 x 10"	5 + 5"	377-182WF	30 lbs.	389	358

*Too large to ship UPS - must ship via truck.

Moisture and Dust Resistant Shipping Containers

➥ T-Beam valance for added strength
➥ Foam-filled or foam-lined

Constructed of high density polyethylene with 1/4 turn latches for padlocks, continuous piano hinge and recessed spring-loaded military style handles. Universal stacking feature allows any size case to be stacked on top of another. Unique T-beam valance protects against damage during transit. Molded bumpers protect latches and hinges. Includes recessed 3 x 5" shipping label holders and a rubber gasket to resist moisture and dust. Various sizes to match your shipping needs. Foam is removable and layered for easy cutting to customize the cases to your equipment. Foam-lined versions have 2" of foam on all sides, top and bottom.



MADE IN USA

GSA
FSS Contractor
GSA Contract No.: GS-14F-8847B

Other sizes available as special order.
Also available empty.
Call for quote 800-426-1194

Foam-Lined				Inside Dimensions		Foam-Filled			
Cat. No.	Weight	Each 1-2	3-9	L x W x D	Bottom/Lid	Cat. No.	Weight	Each 1-2	3-9
54-750	14 lbs.	$195	$179	18 x 18 x 10"	5 + 5"	54-760	16 lbs.	$205	$189
54-751	17 lbs.	212	195	18 x 18 x 18"	13 + 5"	54-761	21 lbs.	255	235
54-752	30 lbs.	259	238	20 x 20 x 20"	15 + 5"	54-762	33 lbs.	305	281
54-753	23 lbs.	249	229	24 x 24 x 10"	5 + 5"	54-763	26 lbs.	275	253
54-754	25 lbs.	253	233	24 x 24 x 14"	9 + 5"	54-764	28 lbs.	295	271
54-755	27 lbs.	275	253	24 x 24 x 17"	12 + 5"	54-765	30 lbs.	350	322
54-756	34 lbs.	300	276	24 x 24 x 23"	18 + 5"	54-766	41 lbs.	390	359

Regular and Large Circuit Board Cases

➥ Anti-static foam interior ➥ Holds boards up to 15 x 12"

Super-tough cases with key locks; top, bottom and sides covered with anti-static foam. **Regular Case** measures 17 3/4 x 14 1/2 x 10 1/2" (useable 15 x 11 x 9"). Accommodates up to twelve 11 1/2 x 9" partitions to divide the case side-to-side, or up to nine 15 x 9" partitions to divide front to back. (Eight 11 1/2 x 9" partitions included with case.) **Large Case** measures 19 x 19 x 19" (useable 15 x 15 x 12"). Accommodates up to thirteen 15 x 12" partitions to divide the case as illustrated. (Six 15 x 12" partitions are included with case.) (USA)



		Inside Dimensions			
Cat. No.	Description	L x W x D	Weight	Each 1-2	3-9
377-931	Regular Anti-Static Circuit Board Case	15 x 11 x 9"	14 lbs.	$219	$201
377-940	Large Anti-Static Circuit Board Case	15 x 15 x 12"	16 lbs.	255	235
377-004	Regular Partitions, 4/pk.	11 1/2 x 9"	-	28	26
377-003	Medium Partitions, 3/pk.	15 x 9"	-	21	19
377-002	Large Partitions, 3/pk.	15 x 12"	-	25	23

Extra-Deep Circuit Board Case

➥ Anti-static foam interior ➥ Holds boards up to 21 x 16"

Heavy-gauge high density polyethylene case with military-style handles, chrome-plated key-locking latches, full-length piano hinge, tongue and groove aluminum valance with rubber O-ring gasket. Board-holding cavity is slotted on all four sides to accept the anti-static partitions sold separately below. The optimum number of **Regular Partitions** is four packages of three each to accommodate a dozen 10 x 16" boards up to 1 1/4" thick (as illustrated). Order **Long Partitions** for large boards up to 21 x 16"; optimum number is two packages of three. (USA)



		Inside Dimensions			
Cat. No.	Description	L x W x D	Weight	Each 1-2	3-9
377-958	Extra-Deep Circuit Board Case	26 x 15 x 19 1/2"	24 lbs.	$275	$253
377-147	Regular Partitions, 3/pk.	10 x 16"	–	20	18
377-149	Long Partitions, 3/pk.	21 x 16"	–	35	32

JENSEN®



Recessed ball bearing rubber wheels

Shipping Cases with Wheels

- Lightweight and rugged
- Recessed rubber wheels and telescoping handle
- Filled with layered 2 lb. density foam

These cases are constructed of high-density polyethylene and feature quarter turn latches, steel spring-loaded handles, hasp for lock and full-length piano hinge. Available in black and silver. All sizes available empty, call 800-426-1194 for prices.

GSA FSS Contractor

GSA Contract No.: GS-14F-8847B

MADE IN USA



Master Lock.

Secure Your Container

TOUGH UNDER FIRE

Cat. No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

Black	Silver	Inside Dimensions L x W x D	Bottom/Lid	Weight	Price
377-204	377-204S	21 3/4 x 14 1/2 x 6"	3 3/8 + 2 3/4"	15 lbs.	$265
377-206	377-206S	21 3/4 x 14 1/2 x 8"	5 + 3"	17 lbs.	275
377-209	377-209S	21 3/4 x 14 1/2 x 10"	6 + 4"	18 lbs.	285
377-212	377-212S	21 3/4 x 14 1/2 x 12"	6 + 6"	19 lbs.	295
377-213	377-213S	23 1/2 x 17 3/8 x 6"	3 + 3"	21 lbs.	275
377-216	377-216S	23 1/2 x 17 3/8 x 8"	5 + 3"	22 lbs.	285
377-217	377-217S	23 1/2 x 17 3/8 x 10"	5 + 5"	23 lbs.	295
377-218	377-218S	23 3/4 x 20 5/8 x 6"	3 + 3"	22 lbs.	345
377-219	377-219S	23 3/4 x 20 5/8 x 8"	5 + 3"	24 lbs.	350
377-310	377-310S	23 3/4 x 20 5/8 x 10"	6 + 4"	26 lbs.	355
377-412	377-412S	23 3/4 x 20 5/8 x 12"	8 + 4"	28 lbs.	359
377-314	377-314S	23 3/4 x 20 5/8 x 14"	8 + 6"	29 lbs.	375
377-223	377-223S	23 3/4 x 20 5/8 x 16"	8 + 8"	30 lbs.	385
377-225	377-225S	25 13/16 x 17 1/2 x 6"	3 + 3"	22 lbs.	315
377-608	377-608S	25 13/16 x 17 1/2 x 8"	5 + 3"	23 lbs.	325
377-226	377-226S	25 13/16 x 17 1/2 x 10"	6 + 4"	24 lbs.	335
377-612	377-612S	25 13/16 x 17 1/2 x 12"	8 + 4"	25 lbs.	345
377-661	377-661S	25 13/16 x 17 1/2 x 14"	8 + 6"	26 lbs.	355

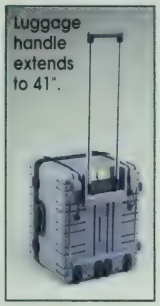
Black	Silver	Inside Dimensions L x W x D	Bottom/Lid	Weight	Price
377-228	377-228S	25 13/16 x 17 1/2 x 16"	8 + 8"	27 lbs.	$365
377-231	377-231S	25 3/4 x 25 3/4 x 8"	5 + 3"	27 lbs.	410
377-232	377-232S	25 3/4 x 25 3/4 x 10"	6 + 4"	30 lbs.	420
377-665	377-665S	25 3/4 x 25 3/4 x 12"	8 + 4"	33 lbs.	430
377-233	377-233S	25 3/4 x 25 3/4 x 14"	8 + 6"	35 lbs.	445
377-234	377-234S	25 3/4 x 25 3/4 x 16"	8 + 8"	38 lbs.	450
377-021	377-021S	27 x 19 x 10"	6 + 4"	25 lbs.	355
377-022	377-022S	27 x 19 x 12"	8 + 4"	27 lbs.	365
377-663	377-663S	27 x 19 x 14"	8 + 6"	28 lbs.	370
377-235	377-235S	27 x 19 x 16"	8 + 8"	29 lbs.	385
377-236	377-236S	30 x 23 x 10"	6 + 4"	30 lbs.	445
377-237	377-237S	30 x 23 x 12"	8 + 4"	32 lbs.	450
377-238	377-238S	30 x 23 x 14"	8 + 6"	34 lbs.	460
377-239	377-239S	30 x 23 x 16"	8 + 8"	36 lbs.	470
377-240	377-240S	30 x 30 x 10"	6 + 4"	39 lbs.	460
377-667	377-667S	30 x 30 x 12"	8 + 4"	41 lbs.	470
377-241	377-241S	30 x 30 x 14"	8 + 6"	43 lbs.	480
377-242	377-242S	30 x 30 x 16"	8 + 8"	46 lbs.	490

JENSEN

Roto-Rugged "Tote" Foam-Filled Cases

- Durable under heavy use
- Easily move through congested areas
- Handle stores in molded recess for security

Rotationally molded cases for durability, ball-bearing wheels for mobility, key and combination locks for security. Bungee cord included to secure other luggage to case. Layered foam easy-to-cut to your specifications. For outside measurements add 1 1/2" to each dimension. Black. (USA)





Cat. No.	Description	L x W x D (ID)	Weight	Each 1-2	3-9
377-881	Roto-Rugged "Tote" Case	17 3/4 x 14 1/2 x 8"	16 lbs.	$265	$244
377-882	Roto-Rugged "Tote" Case	17 3/4 x 14 1/2 x 10"	17 lbs.	275	253
377-883	Roto-Rugged "Tote" Case	17 3/4 x 14 1/2 x 12"	17 lbs.	285	262
424-890	Roto-Rugged "Tote" Case	24 1/8 x 14 x 12"	23 lbs.	369	339
424-891	Roto-Rugged "Tote" Case	24 7/8 x 14 x 14"	25 lbs.	379	349
424-892	Roto-Rugged "Tote" Case	24 7/8 x 14 x 18"	29 lbs.	399	367
424-010* NEW	Roto-Rugged "Tote" Case	26 x 22 x 20"	35 lbs.	499	459
424-020* NEW	Roto-Rugged "Tote" Case	37 x 25 x 20"	44 lbs.	559	514
377-177	Replacement Wheel Assembly		–	8	7

* Case features 1/4 turn latches, steel spring-loaded handle and padlock hasp (no combination lock).

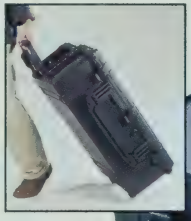
GSA FSS Contractor — GSA Contract No.: GS-14F-8847B

PELICAN®

Airtight & Watertight Rollaway Foam-Filled Case



Now with retractable 7" pull handle





- Purge valve for pressure release
- Full 1/4" thick walls
- Factory lifetime warranty

Built "Pelican-tough" to protect your valuables. Thick wall construction, seven latches, three handles and two rubber wheels provide total security and mobility. Pick-n-pluck foam in bottom and convoluted foam in lid. Outside measure is 31 1/2 x 20 3/4 x 11 1/2". (USA)

Cat. No.	Description	L x W x D (ID)	Weight	Each 1-4	5-9
432-411	1650 Rollaway Case	29 x 18 x 10 1/2"	17.5 lbs.	$260	$239

Secure Your Container

Cat.No.	Description	Each
40-176	Combo Lock, 2 1/4" Shackle	$19.95



PELICAN®

Airtight and Watertight Rollaway Foam-Filled Case



- Pressure purge valve
- Full 1/4" thick walls
- Factory lifetime warranty

This rugged case is built Pelican tough and incorporates a variety of exclusive features such as three fold-down handles, locking retractable handle that extends to 37", purge valve and two "quiet roll" wheels. Pick-n-pluck foam in bottom and convoluted foam in lid. Holds loads up to 50 lbs. Outside measures 24 5/8 x 19 5/8 x 14". (USA)

Cat. No.	Description	L x W x D (ID)	Weight	Each 1-4	5-9
432-412	1620 Rollaway Case (Black)	22 1/4 x 17 1/8 x 12 5/8"	15 lbs.	$246	$226

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Professional Cases for Business and Industry



How to Select a Foam–Filled Case

Measure piece(s) of equipment. Add 4" to each dimension to determine length, width and height of foam. If more than one piece is to be stored in the same container, allow 2" of foam between the items. 2" of 2 lb. density foam will normally provide adequate protection for your equipment.

For additional assistance, or if you don't see the exact size you need, please call 800-426-1194.

platt
Professional cases for business and industry

GSA FSS Contractor

All products on this page are available under GSA Contract No.: GS-14F-8847B

Light-Duty ABS Series

Light-duty, black, scuff resistant molded ABS thermoplastic forms the tough shell of these cases. Extruded aluminum rim, drawbolt key locks, and strong molded handle. The interior is filled with three-piece polyether foam with pre-cut cubed foam layer over bottom cushion. The lid is filled with convoluted (egg crate) foam. One year warranty.

Cat. No.	L x W x D (ID)	B/T Split	Weight	Each 1-4	5-9
373-412	12 x 9 x 5"	3/2	6 lbs.	$57	$52
373-416	16 x 12 x 5"	3/2	5 lbs.	69	63
373-425	19 x 13 x 7"	4/3	10 lbs.	94	86

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Professional cases for business and industry

MADE IN USA

Medium-Duty ABS Series

Heavy-duty grained ABS with extruded aluminum frame, golf grip handle, cast chrome key locks and piano hinge. Interior is filled with three-piece polyether foam with pre-cut cubed foam layer over bottom cushion. The lid is filled with convoluted (egg crate) foam. One year warranty.

Cat. No.	L x W x D (ID)	B/T Split	Weight	Each 1-4	5-9
373-007	20 x 14 x 7"	4/3	11 lbs.	$119	$109
373-207	22 x 16 x 7"	4/3	12 lbs.	139	128





JENSEN® R-TA-TOUGH™

MADE IN USA

Foam-Filled Cases

Cases have bail type latches, tongue and groove valances, and reinforced full width piano hinges. Cases include multi-layered diced foam in the bottom, that can be easily arranged to conform to your equipment.

377-511 has convoluted foam in the lid to provide additional protection and **377-833** has diced foam.

Cat. No.	Description	L x W x D (ID)	Weight	Each 1-2	3-9
377-511	Rota-Tough™ Case with Layered Foam	17 3/4 x 14 1/2 x 7 1/2"	9 lbs.	$145	$133
377-833	Deep Rota-Tough™ Case with Diced Foam	17 3/4 x 14 1/2 x 10"	10 lbs.	155	143

3 Year Warranty

(for details see page 5)

Super Tough Foam-Filled Cases

MADE IN USA

GSA FSS Contractor
GSA Contract No.: GS-14F-8847B

- Strong enough to use as shipping containers
- Full-length piano hinges
- Key locking latches

Truly rugged cases made of tough high-density polyethylene. Feature full-length piano hinges, tongue and groove aluminum valances, and chrome-plated lockable latches. Permanent gray color won't fade, chip or mar. (Note: Only case **377-555** opens a full 180° and includes a hinged flap in the lid with a locking turn buckle to prevent items from falling out.) Foam cutting knife included. One year warranty.

Cat. No.	L x W x D (ID)	B/T Split	Weight	Each 1-2	3-9
377-220	20 3/4 x 16 1/4 x 8 3/4"	5 3/4 / 3 3/4"	11 lbs.	$190	$175
377-925	18 x 14 3/4 x 9"	5 1/4 / 4 1/4"	9 lbs.	165	152
377-115	18 x 14 3/4 x 11 1/4"	7 1/4 / 4"	14 lbs.	180	166
377-555	18 x 14 3/4 x 10"	6 / 4"	14 lbs.	180	166
377-775	18 x 14 3/4 x 6 1/2"	3 1/2 / 3"	9 lbs.	155	143



Deluxe Polyethylene Protective Cases

MADE IN USA

GSA FSS Contractor
GSA Contract No.: GS-14F-8847B

- Available with layered or pre-cut foam

Silver gray color won't fade, chip or mar. Full-length piano hinge, tongue and grove aluminum valance, and chrome-plated lockable latches. Dimensions are 23 1/2" x 17 1/2" x 8". Bottom/top split is 5/3. One year warranty.

Layered Foam Model has layered foam in the bottom and convoluted foam in the top.

Pre-cut Foam Model has pre-cut foam in the bottom and convoluted foam in the top. Pre-cut foam is cut in a checkerboard pattern, making it easy to match the shape of cameras, instruments and other sensitive gear.

Cat. No.	Description	Weight	Each 1-2	3-9
377-340	Case w/Layered Foam	16 lbs.	$209	$192
377-029	Case w/Pre-cut Foam	16 lbs.	209	192



Do-It-Yourself Low Cost Blow Molded Cases

MADE IN USA

- Low cost solution to customizing your own cases
- Chemical, dent, crack and scuff resistant

Shell is made from high density polyethylene with double wall construction. Hardware features mechanical latches that can be replaced in the field. Interior has pre-cut cubed foam in the body and egg crate foam in the lid. (USA)

Cat. No.	L x W x D (ID)	Weight	Each 1-4	5-9
373-702	9 1/2 x 6 x 2 5/8"	2 lbs.	$19.00	$17.00
373-703	11 x 7 x 3 3/8"	2 lbs.	28.00	26.00
373-704	12 1/2 x 9 x 5 1/8"	2 3/4 lbs.	37.00	34.00
373-705	14 x 10 x 4"	3 lbs.	45.00	41.00
373-706	16 x 11 x 2 7/8"	3 1/2 lbs.	44.00	40.00
373-707	17 3/4 x 12 3/4 x 6 5/8"	5 1/2 lbs.	88.00	81.00



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★GSA Contract No. GS-14F-8847B

Centurion Elite Foam-Filled Aluminum Cases

- Pre-stressed aluminum shell
- Brushed satin finish

These handsome, prestigious cases are made of seamless deep-drawn, heat-treated aluminum. Lightweight yet strong enough to stand on. Tongue and groove closure is fitted with a resilient neoprene gasket, so when the case is shut the gasket compresses to form a moisture and dust-resistant seal.

Other quality features include a full-width piano-hinge, chrome-plated sure-locking latches, three-digit combination lock and matching Tennite handle. Convoluted foam in the lid provides additional protection. (USA)

Cat. No.	Description	Inside Dimensions L x W x D	Each 1-2	3-9
2-900	Foam-Filled Aluminum Case	12 x 9 x 5"	$199	$183
2-903	Foam-Filled Aluminum Case	18 x 13 x 6"	239	220
2-931	Foam-Filled Aluminum Case	21 x 13 x 6 1/2"	279	257
2-932	Foam-Filled Aluminum Case	21 x 17 x 7 1/2"	319	293
2-938	Foam-Filled Aluminum Case	24 x 18 x 8 1/2"	389	358
2-943	Foam-Filled Aluminum Case	29 x 20 x 10"	469	431



4-Sided Foam-Filled Equipment/Tool Case

- High visibility
- Customize foam with over 1000" sq. of layout space
- Durable, versatile and convenient for tools, meters, spares, etc.

A unique, four-section case design features 2" of foam in outside sections, and 1 3/4" of foam in both center sections. Features see-through retainer panels to keep contents secure. Case shell is vacuum formed of high density polyethylene; valance is extruded aluminum. Additional features include full-length piano hinges, spring-loaded, military-style handles and 1/4-turn latches. 14 lbs. (USA)

Cat. No.	Description	Inside Dimensions L x W x D	Each 1-4	5-9
54-194	Foam-Filled Case	18 x 14 1/4 x 8"	$180	$166



Foam-Filled Cases

GSA FSS Contractor

★GSA Contract No. GS-14F-8847B

- Airtight/watertight
- Lifetime factory warranty

Constructed of lightweight structural resin with a neoprene O-ring seal and exclusive purge valve. Complete with pre-scored pick-n-pluck foam in bottom and convoluted foam in lid. Features molded handle, padlockable locking flanges and multiple latches. Black. (USA)

Cat. No.	Description	Inside Dimensions L x W x D	Each 1-4	5-9
432-120	Black Case	9 1/4 x 7 1/2 x 4 1/2"	$49	$45
432-408	Black Case	12 1/4 x 9 1/4 x 5 1/4"	80	74
432-500	Black Case	17 x 11 3/4 x 6"	122	112
432-409	Black Case	18 x 12 3/4 x 6 3/4"	134	123
432-550	Black Case	19 x 14 x 7 3/4"	153	141
432-551	High Visibility Orange	19 x 14 x 7 3/4"	153	141
432-600	Black Case	22 x 17 x 8"	180	166

JENSEN®

Mechanic's Tool Bag

The famous GI bag is now available in Cordura nylon in a choice of colors, with oversize zipper and web strap handles. Six sewn-in pockets inside. Two exterior snap pockets each divided into three sections. D-rings attached for optional shoulder strap. 5 1/2 x 6 x 12".

Cat. No.	Description	Color	Each 1-4	5-9
892-030	Tool Bag	Green	$19.95	$18.35
392-306	Tool Bag	Navy	19.95	18.35
216-070	Tool Bag	Red	19.95	18.35
216-072	Tool Bag	Burgundy	19.95	18.35
216-074	Tool Bag	Black	19.95	18.35
216-075	Tool Bag	Royal Blue	19.95	18.35
216-603	Shoulder Strap	Black	3.00	–



Complete with D-rings for optional shoulder strap.

Polyethylene Tool Case

A long standing tradition for many technicians. Features two fixed pallets made of heavy olive-colored canvas, double-stitched at points of stress. Two zippered pockets hold small parts. Bottom section is divided in the center and holds additional tools and parts. Corners are metal reinforced. (USA)



Tools sold separately

Cat. No.	Description	L x W x D (ID)	Each 1-2	3-9
126-190	Polyethylene Tool Case	15 x 11 1/4 x 5 1/4"	$109	$100



Tools sold separately

JENSEN®

Euro-Style Tool Case

➥ Accommodates larger tools

Black rugged duty case is ideally suited for the electrical or mechanical technician who needs to carry larger tools. Elastic straps hold small tools and accessories. 3-pallet arrangement will fit any of our tool cases that measures 17 3/4 x 14 1/2" inside. (USA)

Cat. No.	Description	L x W x D (ID)	Each 1-4	5-9
356-999	Euro-Style Tool Case	17 1/2 x 14 1/2 x 9"	$210	$193

STANLEY®

PROTO®

Heavy-Duty Canvas Bags

➥ Steel frame ➥ Reinforced bottoms

Rugged #8 white canvas reinforced with vinyl. One-piece construction riveted to 12 gauge steel-hinged frame. Riveted leather handles. Water resistant fiberboard bottom with metal studs for added protection and durability. **Utility Bags** are constructed of same canvas material but have no frame or handles. Heavy-duty zipper closure. (USA)

Cat. No.	Description	L x W x D (ID)	Each 1-5	6-11
185-210	Heavy-Duty Bag	14 x 6 x 14"	$43.00	$38.70
185-207	Heavy-Duty Bag	24 x 6 x 15"	51.00	45.90
37-139	Utility Bag	12 x 7"	7.00	6.44



185-207

37-139

185-210

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Fax Lines: 800-366-9662 • 602-438-1690

JENSEN

Rugged-Duty Tool Chest

- Padlockable
- Handles heavy loads

Can be used for tools, parts and equipment storage, or as a shipping container. Heavy-gauge, high density polyethylene. Military style handles and latches. Two removable interlocking trays with web strap handles and interchangeable metal dividers.

Storage space beneath trays measures 24 1/4 x 13 1/4 x 8" for larger tools and equipment. (USA)



Tools not included

Cat. No.	Description	Dimensions (ID)	Weight	Each 1-2	3-9
377-400	Rugged-Duty Tool Chest	25 x 13 1/2 x 15"	23 lbs.	$299.00	$275.08



Flambeau

Tool/Storage Boxes

- Padlockable

High-impact, copolymer construction is dent-proof, non-rusting, non-conductive and resistant to most common chemicals. Each box features lift-out trays, durable Powerlatches™, and tongue-and-groove design to keep water out. (USA)

Cat. No.	Description	Dimensions (ID)	Each 1-4	5-9
352-120	Tool/Storage Box	16 1/2 x 8 x 7 1/4"	$17.95	$16.51
352-771	Tool/Storage Box	23 x 10 1/2 x 11 1/2"	32.50	29.90
352-800	Tool/Storage Box	27 1/2 x 13 3/4 x 14"	49.00	45.08

LADDERWARE™

Ladder Tool Caddy

Tools not included

- Lightweight, durable & weatherproof
- Installs easily on nearly all A-frame ladders

Ideal for ladder-top maintenance where multiple tools are required. Snap-together tray on the top for miscellaneous items.



Cat. No.	Description	Pockets	Each 1-5	6-11
499-004	Ladder Caddy, 4-sided	19	$36.00	$32.40

Rubbermaid

Tool Boxes/ Chests

- Rugged, commercial grade

Constructed of tough structural, high-impact resistant foam. Lids are designed for water resistance. All boxes feature molded-in side handles and flush latches.
26" Box has one full tray, an additional handle on lid, and is padlockable.
35" Chest offers one half-tray and is also padlockable.
36" Chest has two half-trays and a built-in key lock. (USA)



Cat. No.	Description	L x W x D (OD)	Each 1-4	5-9
700-717	Tool Box	26 x 11 x11"	$48.00	$44.16
700-718	Tool Chest	35 x 13 1/2 x 14"	68.00	62.56
700-719	Tool Chest	36 x 18 1/2 x 20"	106.00	97.52

ORIGINAL BUCKET BOSS BRAND



51-008
Tools not included

51-004

51-007

Soft Sided Organizers

GateMouth™ and **GateMouth™ Jr.** tool bags are made from rugged 600 denier fabric and feature 9" wide mouth openings, web strap handles, steel hinge frame and a rigid bottom to retain shape. GateMouth comes with a shoulder strap.

Pro Super GateMouth™ is made of rugged ripstop fabric with ballistic reinforcement on sides and bottom. 39 exterior pockets and 10 interior pockets, web strap handles, steel hinge frame, rigid bottom padded to protect tools. Shoulder strap included.

Cat. No.	Description	Dimensions	Each 1-4	5-9
51-004	GateMouth	17 x 9 x 12"	$39.50	$35.55
51-007	GateMouth Jr.	13 x 9 x 8"	26.50	23.85
51-008	Pro GateMouth	19 x 14 x 12"	54.00	48.60





Tools not included

JENSEN® Backpack Tool Case

- Lightweight & durable Cordura® Plus material
- Carries over 100 tools

Tools are loaded on to the three pallets and are retained by an elastic netting. Pack unzips all the way around for easy access. Top carry handle makes it easy to grab-and-go. Padded shoulder strap design makes backpack comfortable to carry. (USA)

Cat. No.	Description	Each 1-4	5-9
54-964	Backpack Tool Case	$139.00	$127.88

Tool Pouches

37-033

Big capacity pouch has 10 pockets and metal gate clip. **Small pouch** has ten small pockets, tape thong and metal ring for butt-set. Each is made from pliable soft leather and fits belts up to 1 3/4" wide. Riveted and stitched construction. (USA)



37-032

Cat. No.	Description	Each
37-032	Tool Pouch Large Capacity	$45.00
37-033	Tool Pouch Small	34.95

Duckwear® Tool and Wrench Rolls



Heavy-duty tool organizers are constructed of 100% cotton duck fabric. 27 x 14" open. **51-070 Tool Roll:** Features 22 pockets to hold a wide variety of hand tools. Socket strip holds 3/8" and 1/4" sockets securely. Heavy straps with two barrel locks for secure closure. **51-071 Wrench Roll:** (Not shown) Features 14 graduated-size pockets which fit open-end and box-end wrenches. Tie closure.



Tools not included

Cat. No.	Description	Each 1-5	6-11
51-070	Duckwear Tool Roll	$15.00	$13.50
51-071	Duckwear Wrench Roll	15.00	13.50

Contractor's Briefcase™



Tools and Laptop not Included

Mobile office and tool case in one. Constructed of extra-rugged 600-denier polyester fabric with adjustable shoulder strap. Plenty of room for plans, file folders, note pads, pen/pencils, business cards, and CD/diskettes. Fourteen tool pockets include space for a 30' tape measure. Full drop-down panels provide easy access. Hear-Through™ cell phone pocket. 12 x 16 x 5".

Cat. No.	Description	Each 1-5	6-11
51-005	Contractor's Briefcase	$45.00	$40.50



JENSEN® Universal Tool Belt System



Jensen's rugged tool belt system provides comfort and safety with its built in back support and removable suspenders. Unique design distributes weight evenly. Pouches contain 15 pockets providing ample space for tools and test equipment. Two zippered pockets measure 6 x 6" and two flap pockets measure 3 x 4". Belt attaches with Velcro™ and buckle and features four hooks for tool attachment. Accessory bag (included) allows for easy transport of belt and tools, and contains three outside pockets for easy access of frequently used items. Made of Ballistic nylon, all pieces are water, dirt and stain resistant. To fit, measure just below navel over clothing.

Cat. No.	Description	Size	Each 1-2	3-9
216-148	Medium	33-38"	$180.00	$165.60
216-149	Large	39-44"	180.00	165.60
216-150	Extra Large	45-50"	180.00	165.60
216-158	Tool Bag Only	–	64.00	52.90

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JENSEN Ultima™

Soft-Sided Computer & Business Cases

- Water and stain resistant
- Rugged Cordura® Plus construction
- Exceptional quality



Portable Computer Case

Provides ample space for computer, cell phone, power supply and accessories. Adjustable Velcro dividers, document pocket in lid, one zipper and two flap pockets on outside of case. Padded handle and shoulder strap for comfort. 17 1/2 x 11 1/2 x 5".

Cat. No.	Description	Each
216-555	Computer Case	$149



Laptop not Included

Computer/Business Case

This roomy soft-sided case can carry a laptop or notebook computer plus all your necessary business materials. Padded computer pocket is suspended for added protection. One side holds the computer and accessories while the other holds documents, note pad, cell phone, pens etc. Two exterior flap pockets are full size and gusseted. Rear flap contains two zippered pockets providing easy access to airline tickets, etc. Removable shoulder strap included. Fits computers up to 12 1/4 x 7 1/2 x 2"; overall size 16 x 11 1/2 x 6 1/2".

Cat. No.	Description	Each
216-638	Computer/Business Case	$130



@HAND Cyber Case Boxer Computer & Printer Case

Strong and durable, injection molded, European design case for transporting any size portable computer, printer and accessories. Computer held on pallet and is configurable to exact dimension. Bottom has cubed foam to hold portable printer, scanner, zip drive or other accessories. Key lock, hinged latches, document holder in lid. 17 x 13 1/2 x 6 1/4". (Italy)

Cat. No.	Description	Each
486-100	Cyber Computer & Printer Case	$155.00



JENSEN Computer/Business Case

Granite finish, Monaco style, rotationally molded construction. Combines laptop carrying case and briefcase into one rugged business attaché. Cloth covered interior, padded bottom compartment, removable divider with pockets for disk storage, document file in lid, two keylock latches, 3-digit combination lock, D-rings for shoulder strap. Fits computers up to 10 1/2 x 11 1/2 x 2"; overall size 17 3/4 x 12 5/8 x 5 3/4". (USA)

Cat. No.	Description	Each
377-804	Computer/Business Case	$219



JENSEN Laptop Computer Case

Monaco style, durable rotationally molded construction, lined with textured fabric. Bottom is filled with diced foam. Features document pouch in the lid, two keylock latches and a 3-digit combination lock. 17 3/4 x 14 x 5". (USA)

Cat. No.	Description	Each
377-806	Laptop Computer Case	$179



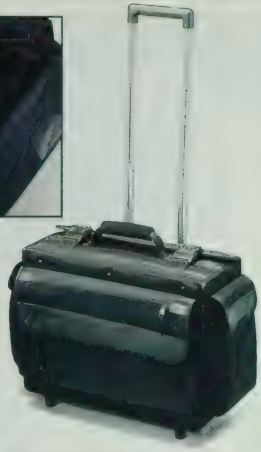
Laptop Computers not included

Laptop Computer Case

Airtight and watertight protection for your valuable laptop computer. Computer accessories fit conveniently underneath computer in a removable shock-absorbing tray. Padded protective lid organizer holds folders, computer disks, cellular phone and more. Features keyed locking latch, neoprene O-ring seal and exclusive purge valve. Removable shoulder strap included. Fits computers up to 14 x 10 7/8 x 2 1/2"; overall size 19 1/16 x 14 x 4 7/8". Lifetime factory guarantee.

Cat. No.	Description	Each
432-651	Laptop Computer Case, Black	$199





216-912

Catalog Case

- With or without Wheels/Telescoping Handle

You will be amazed at how much "stuff" these cases hold. Features combination locks, large padded web strap handle and a unique drop front that allows for easy access to contents. Inside are two collapsible dividers plus a zipper utility pocket on the interior of large top flap. Version without wheels/telescoping handle features a shoulder strap. Five outside pockets include a 17 x 10 x 1½" flap pocket, two 6 x 11 x 1½" end pockets and a 17 x 8" slit pocket. 20 x 9 x 14". (USA)

Cat. No.	Description	Wt.	Each 1-4	5-9
216-912	Case w/Wheels & Handle	10 lbs.	$225	$207
216-911	Case only	6 lbs.	150	138

JENSEN Ultima™ Multi-Purpose Cases

- Rugged Cordura® Plus construction
- Water and stain resistant
- Exceptional quality



Single Sided Briefcase

Contains thirteen pockets for easy storage of documents, cell phone, diskettes etc. Expandable two file compartment. Three exterior flap pockets are full size and gusseted. Front flap contains two zippered pockets providing quick access to airline tickets, eyeglasses etc. Removable shoulder strap included. (USA)

Cat. No.	Dimensions	Each 1-4	5-9
216-352	15 x 11 x 3"	$70	$64
216-304	16 x 12 x 4"	80	74
216-690	17 x 13 x 5½"	90	83



Double Sided Briefcase

This spacious soft-sided case can carry all necessary business materials. Nineteen pockets allow for easy storage of documents, cell phone, diskettes and more. Exterior flap pockets are gusseted. Rear flap contains a zippered pocket providing quick access to airline tickets, eyeglasses etc. Removable shoulder strap included. (USA)

Cat. No.	Dimensions	Each 1-4	5-9
216-720	15 x 11 x 5"	$99	$91
216-403	16 x 12 x 5"	119	109
216-691	17 x 13 x 6½"	129	119

Field-Pro Disk Organizers

- Lifetime manufacturer's warranty
- Superior computer media protection



Disk Manager



Disks and CDs not included

Disk Library

These quality disk organizers have three-way protection to provide superior safety for your valuable data. Unique shielding layer is built in to block 99.9% of electromagnetic fields. Bond-resistant reinforcing layer with foam padding guards delicate plastic disk enclosures. Moisture resistant exterior protects from weather. Choose from three styles and capacities. (USA)

Cat. No.	Style	Capacity	Media	Each 1-4	5-9
645-135	Disk Library	20	3.5" Disk	$25	$23
645-223	Disk Manager	24	3.5" Disk	39	36
645-230	Disk Manager	12+12	CD/3.5" Disk	39	36
645-233	Repl. Pages for Disk Manager, 6/pk	–	3.5" Disk	8	–
645-238	Repl. Pages for Disk Manager, 6/pk.	–	CD Rom	8	–



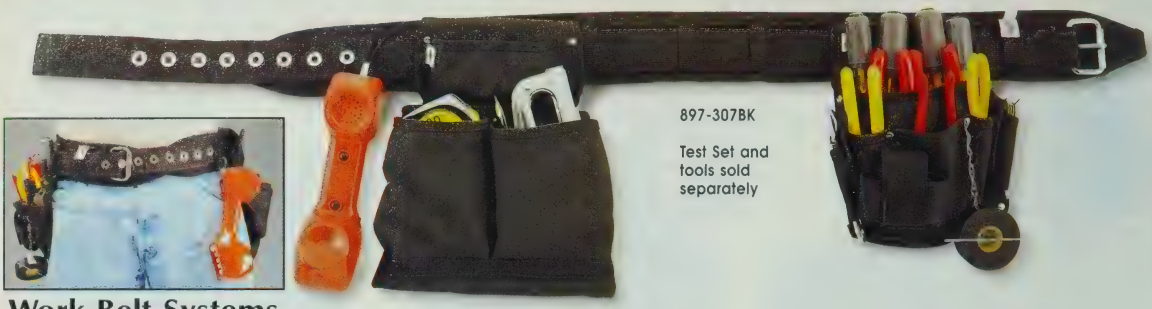
Disks and Pen not Included

JENSEN Portfolio

Durable nylon portfolio holds a letter sized pad, business cards, diskettes, documents, plus spare pens or pencils

Cat. No.	Dimensions	Each 1-4	5-9
216-650	12⅜" x 10"	$20	$18

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



897-307BK

Test Set and tools sold separately

Work Belt Systems

➥ Lightweight and modular ➥ 2X the life of leather

Made from Anso®-tex by Allied Signal, these belt/pouch work systems pass stringent tear strength and puncture resistance tests. Fabricated from first quality U.S. made goods, designed for maximum use and comfort. Choose any of three pre-assembled work belt systems or buy the belt and pouches separately and assemble it yourself. All belts fit all pouches and feature metal buckle and eyelets with adjustments in 1½" increments. Velcro® strip keeps pouches from sliding along belt. Tapered 5" belt is designed to offer lumbar support to reduce fatigue. All components are black. One year limited warranty. (USA)

Telecom Work Belt System (shown)

Telecom Utility Pouch has one small upper pocket, one large main pouch and two smaller forward pouches. **Telecom Tool Pouch** has large main pocket with tool loops, formed outside pockets, four side tool loops, chain toggle and test meter case. **3" wide Pro Belt** included.

Cat. No.	Description	Each
897-307BK	Telecom Work Belt System, Medium (31-35")	$83.50
897-317BK	Telecom Work Belt System, Large (35-39")	83.50

Standard Electrician Work Belt System

Universal Bag has large main pocket, upper and front pocket, pencil pocket and hammer holster on both sides. **Electrician Maintenance Pouch** has large main pouch with tool holders, formed front pockets, side tool loops, tape measure clip and chain toggle. **3" wide Pro Belt** included.

Cat. No.	Description	Each
897-304BK	Electrician Work Belt System, Medium (31-35")	$75.50
897-314BK	Electrician Work Belt System, Large (35-39")	75.50

Professional Electrician Work Belt System

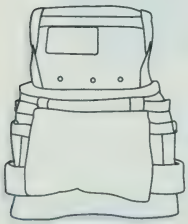
Multi-Use Tool Pouch has an expanding upper pocket, tool holders inside large main pocket and large pouches on outside. **Hammer Holder** has a heavy-duty steel loop that holds hammer on a padded base. **Electrician Maintenance Pouch** has two large main pockets with tool holders, three molded outer pockets, side tool loops, tape measure clips and chain toggle. **Tapered 5" wide Pro Belt** included.

Cat. No.	Description	Each
897-305BK	Pro Electrician Work Belt System, Medium (31-35")	$91.50
897-315BK	Pro Electrician Work Belt System, Large (35-39")	91.50

Individual Components

Cat. No.	Description	Each
897-303BK	Pro Belt 3", Medium (31-35")	$27.50
897-313BK	Pro Belt 3", Large (35-39")	27.50
897-505BK	Pro Belt 5", Medium (31-35")	29.50
897-515BK	Pro Belt 5", Large (35-39")	29.50
897-532BK	Hammer Holder	7.50

Cat. No.	Description	Each
897-125BK	Universal Bag	$24.50
897-320BK	Electrician Pouch	27.50
897-328BK	Multi-Use Tool Pouch	34.50
897-323BK	Electrician Maintenance Pouch	30.50
897-332BK	Telecom Utility Pouch	25.50
897-330BK	Telecom Tool Pouch	35.50



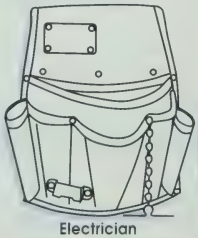
Universal Bag
897-125BK



Electrician Pouch
897-320BK



Multi-Use Tool Pouch
897-328BK



Electrician Maintenance Pouch
897-323BK



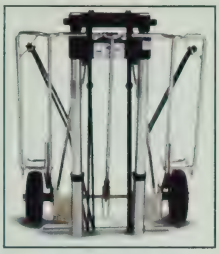
Telecom Utility Pouch
897-332BK



Telecom Tool Pouch
897-330BK



901-800 Shown Loaded



All Carts Fold for Compact Storage

Kart-A-Bag® Heavy-Duty Travel Carts

➥ **Double-telescoping aluminum frame**

Lightweight, collapsible travel carts fold up and store easily in a car trunk and can be checked or carried on an airplane. Ideal for transporting luggage, tool kits, test equipment and other heavy objects. Sturdy, double-telescoping, self-locking frame allows you to open or close cart with one easy motion. Permanently attached stretch cords are adjustable to hold loads securely. Steel platform base. Step slider smoothly slides carts up or down steps. **901-600, 901-800** have solid rubber wheels.

Remin



901-200



901-600



901-800

Cat. No.	Mfr. No.	Capacity	Extended Height	Collapsed Dimensions	Platform	Wheels	Weight	Each
901-200	CONCORDE II	150 lbs.	41"	18½ x 11½"	9½"	4"	7 lbs.	**$92.50**
901-600	600	300 lbs.	49"	20¼ x 12½"	16"	5"	11 lbs.	**139.00**
901-800*	800	300 lbs.	49"	20¼ x 12½"	16"	6"	20 lbs.	**185.00**

***901-800** Can be used as a 2 or 4 wheel cart by raising or lowering the patented back-support wheel assembly. Back-support features two 3" swivel casters for total mobility.

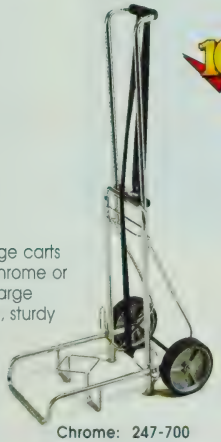


All Carts Fold for Compact Storage

Portable Folding Carts

Deluxe collapsible luggage carts made of the finest quality chrome or black steel tubing. Feature large diameter easy-rolling wheels, sturdy platform extension, heavy-duty straps, patented handle lock mechanism, strong steel structure, and black foam grips. (Wheels and straps not included in warranty.)

pfc™



Chrome: 247-700
Black: 247-750



Chrome: 247-900
Black: 247-950



Chrome: 247-100
Black: 247-050



Black: 247-200

Cat. No.	Mfr. No.	Capacity	Extended Height	Collapsed Dimensions	Weight	Platform	Wheels	Finish	Each 1-5	6-11
247-700	700	200 lb.	40"	24 x 13 x 7"	9 lbs.	10 x 12"	6"	Chrome	$43.00	$38.70
247-750	750	200 lb.	40"	24 x 13 x 7"	9 lbs.	10 x 12"	6"	Black	43.00	38.70
247-900	900	250 lb.	43"	25 x 17 x 7"	11 lbs.	14 x 14"	6"	Chrome	60.00	54.00
247-950	950	250 lb.	43"	25 x 17 x 7"	11 lbs.	14 x 14"	6"	Black	60.00	54.00
247-100	1000	275 lb.	46"	27 x 17 x 8"	14 lbs.	14 x 13"	7"	Chrome	70.00	63.00
247-050	1050	275 lb.	46"	27 x 17 x 8"	13 lbs.	14 x 13"	7"	Black	70.00	63.00
247-200	2000	275 lb.	46"	27 x 17 x 9"	17 lbs.	14 x 13"	7"	Black	119.00	107.10

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JTM-100 Series

- Auto ranging
- True RMS available
- Analog bar-graph

Tested to withstand a 6' drop onto concrete (w/o holster). Large, high-contrast display is shock mounted, high energy fuses for input protection, high reliability rotary switch. Case sealed against dust and moisture. Meets or exceeds Shock-MIL-T-28800, Dust/Water Protection-IP 64, Safety-IEC 1010-1 1000V. Comes with test leads and manual, two AAA batteries (JTM-105), or one 9V battery (JTM-103). Dimensions 3.9 x 7.9 x 2" with holster. 21.2 oz. Three year warranty. (Taiwan)

	JTM-105	JTM-103
DC Voltage:	400mV-1000V, ±0.1%	400mV-1000V, ±0.4%
AC Voltage:	4V-750V true RMS, ±0.5%	4V-750V, ±0.8%
Current:	1mA-400mA, 10A ±0.4% ±0.8%	1mA-400mA, 10A ±0.7% ±1.3%
Resistance:	400Ω-40MΩ ±0.4%	±0.6%
Capacitance:	4nF-40μF	
Frequency:	100Hz-1MHz	

	Cat. No.	Description	Each
	JTM-105	True-RMS DMM	$219.00
	JTM-103	3 3/4 Digit DMM	179.00
24	JTM-105-C	True-RMS DMM w/Calibration Certificate	269.00
24	JTM-103-C	3 3/4 Digit DMM w/Calibration Certificate	229.00
	23-604	Soft Carry Case	19.00

For replacement batteries, see page 282



JTM-90 Series Industrial Multimeters

- True RMS available
- Beep-Guard warns of incorrect lead placement
- Protective holster

Designed for heavy use; shock proof to 5' onto concrete (w/o holster), JTM-97 has water tight seals, switch and jacks and are IP 64 rated, patented high reliability rotary switch. Troubleshoot electronic equipment with high accuracy, logic test and frequency counter while useful in electrical testing with a 20-amp range and capacitance. Meet IEC 1010 and UL 3111. Test leads, holster, two AA and one 9V battery included. Three year warranty. (Taiwan)

	JTM-97 True RMS	JTM-95	JTM-93
DC Voltage:	320mV-1000V, ±0.3%	400mV-600V, ±0.5%	200mV-600V, ±0.5%
AC Voltage:	3.2-750V, ±1.3%	400mV-600V, ±1.3%	200mV-600V, ±1.3%
Current: (20A for 20sec)	320μA-20A, ±1%	400μA-20A, ±1%	200μA-20A, ±1%
Resistance:	320Ω-32MΩ ±0.5%	320Ω-32MΩ ±0.5%	320Ω-32MΩ ±0.5%
Frequency:	n/a	30MHz	200KHz
Capacitance:	n/a	4nF-40μF	2nF-20μF

	Cat. No.	Description	Each
	JTM-97	True RMS Industrial DMM	$159.00
	JTM-95	Industrial DMM	129.00
	JTM-93	Industrial Electrician's DMM	105.00
24	JTM-97-C	True RMS Industrial DMM w/Calibration Certificate	209.00
24	JTM-95-C	Industrial DMM w/Calibration Certificate	179.00
24	JTM-93-C	Industrial Electrician's DMM w/Calibration Cert.	155.00
	23-604	Soft Carry Case	19.00

For replacement batteries, see page 282



JTM-60 Series Low Cost Pocket Sized Meter

- Autoranging
- Perfect for light duty

Designed for industrial and electronic technicians who require the basics but don't need the features and cost of high-end meters. Even so, this meter doesn't scrimp on value and durability. It is shock proof from 4' drops with its protective holster which doubles as a tilt stand. It has data hold for hard to see measurements. It has a diode test and continuity beeper. And it is autoranging for ease-of-use. Complete with test leads, manual and two AAA batteries. (Taiwan)

	JTM-69	JTM-63
DC Volts	320.0mV~600V, ±0.5%	200mV-600V, ±1.8%
AC Volts	3.200V~600V, ±1.5%	2V-600V, ±1.9%
DC Amps	320.0μ~10.00A, ±2.5%	320.0μ, ±1.0%
AC Amps	320.0μ~ 10.00A, ±1.5%	
Resistance	320.0 ~ 32.00MΩ, ±0.85	200Ω-20MΩ
Capacitance	3.200μF ~ 3200μF, ±1.9%	

	Cat. No.	Description	Each
	JTM-69	Pocket Sized DMM	$80.00
	JTM-63	Pocket Sized DMM	65.00
24	JTM-69-C	DMM w/Calibration Certificate	110.00
24	JTM-63-C	DMM w/Calibration Certificate	95.00
	23-604	Soft Carry Case	19.00

For replacement batteries, see page 282

Jensen ships the JTM Calibrated Meters with this symbol within 24 hours. 24

Cat. No.	Description	Each
JTM-67	Pen DMM	$59.00
23-601	AC Clamp	35.00
23-602	Temperature Probe	49.00
23-603	AC/DC Clamp	70.00
24 JTM-67-C	Pen DMM w/Calibration Certificate	89.00
24 23-601-C	AC Clamp w/Calibration Certificate	65.00
24 23-602-C	Temperature Probe w/Calibration Certificate	79.00
24 23-603-C	AC/DC Clamp w/Calibration Certificate	100.00
23-606	Case for JTM-67 & Accessories	19.00

For replacement batteries, see page 282



	JTM-67 Pen Meter (2 x AA battery inc.)	23-601 AC Clamp (1 x 9V battery inc.)	23-603 AC/DC Clamp (1 x 9V battery inc.)	23-602 Temp Probe (1 x 9V battery inc.)
DC Voltage:	320mV-1000V			
AC Voltage:	3.2V-600V			
AC Current:		0.1A-300A	600A	
DC Current:			600A	
Resistance:	320Ω-30MΩ			
Temperature:				C° or F° -58 to +1830°F

JTM-67 Pen Meter

Full feature DMM in a compact package. Expand it with the optional adapters. Meter has 3200 count display, analog bar graph, autoranging, auto power off, data hold. Includes test lead set, manual, soft case and batteries. Three year warranty. (Taiwan)

JTM-30 Series Clamp Meters

The **JTM-30** is a miniature AC/DC current clamp meter which accepts up to 22mm conductors.

The **JTM-33** is a true RMS AC only meter and has display hold and is 4' drop tested. It accepts up to 40mm conductors.

The **JTM-39** is the top-of-the-line AC/DC true RMS meter with frequency measurement via the clamp. It can accept 51mm conductors or 24 x 60mm bus bars. It is also drop tested at four feet. Each meter comes with test leads, manual and batteries. Three year warranty. (Taiwan)

Jensen ships the JTM Calibrated Meters with this symbol within 24 hours. 24

	JTM-30	JTM-33	JTM-39
DC Voltage:	400mV-600V		400V, 600V
AC Voltage:	400mV-600V	400mV-600V	400V, 600V
AC Current:	40A, 300A	400A, 600A	400A, 1000A
DC Current:	40A, 300A		400A, 1000A
Resistance:	400Ω-40MΩ	4kΩ-40kΩ	
Frequency:			40Hz-400Hz ±0.5%
Batteries:	two AAA	one 9V	one 9V

Cat. No.	Description	Each
JTM-30	Mini AC/DC Clamp Meter	$149.00
JTM-33	AC Only True RMS Clamp Meter	119.00
JTM-39	AC/DC True RMS Clamp Meter	199.00
24 JTM-33-C	AC Only True RMS Clamp Meter w/Calibration Certificate	149.00
24 JTM-30-C	Clamp Meter w/Calibration Certificate	179.00
24 JTM-39-C	Clamp Meter w/Calibration Certificate	229.00

For replacement batteries, see page 282





Meters sold separately

Cases for Jensen Meters

23-604 Dual zippered double walled vinyl-leather case for the JTM-100 and JTM-90 series meters (loose fit for JTM-63). Inside pockets for manuals and test leads. Large 4 1/2" belt loop.

23-605 Single zippered nylon case for the JTM-30 series clamp meters. Inside pockets for manuals and test leads.

23-606 Tough double walled woven fabric case with dual zippers designed to carry the JTM-67 and two accessories. Inside pockets for manuals and test leads.

Cat. No.	Description	Each
23-604	Case for JTM-100 and JTM-90 Series Meters	$19.00
23-605	Case for JTM-30 and JTM-33 Meters	15.00
23-606	Case for JTM-67 Meter	19.00



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



317-387

187 and 189 Series Multimeters

- Higher accuracy: 0.025% DC
- Better resolution: 50,000 count
- Dual displays with bar graph
- Model 189 offers data logging up to 1000 measurements

The new 187 and 189 Series DMMs deliver the next level of performance in handheld measurement technology.

The new meters are packaged in a super rugged impact resistant over-molded case, eliminating the separate rubber holster without losing any of the protection. The display is much larger and features extremely fast settling, dual measurements, hour-minute and two level backlight. Enhanced measurements are now available with the 50,000 count resolution and DC voltage measurements down to 10µV and capacitance up to 50 mF.

189 offers a data logging feature with 1000 measurement memory.

Add the optional **FlukeView Forms Software and Cable** for further data analysis and custom documentation. Complete with leads, manual and four AA batteries. 3.8 x 7.9 x 1.9", 23 oz.

Specifications	187 and 189
Primary Digital Display	50,000 count
Analog Display	51 segment bargraph
AC Bandwidth	100kHz
dBm, dBV	✔
Duty Cycle/Pulse Width	✔
Battery and Fuse Access Door	✔
Two Level Backlight	✔
250 µS Fast MIN/MAX	✔
IEC 61010 Rating	✔
Data Logging	189 only
DCV:	
Maximum	1000V
Accuracy	±(0.025% +5)
Maximum Resolution	0.01mV
True RMS ACV:	
Maximum	1000V
Accuracy	±(0.4% +40)
Maximum Resolution	0.01mV
DCA:	
Maximum	10A
Accuracy	±(0.15% +2)
Maximum Resolution	0.01µA
ACA:	
Maximum	10A
Accuracy	±(0.75% +5)
Maximum Resolution	0.01µA
Resistance:	
Maximum	30MΩ
Accuracy	±(0.05% +2)
Maximum Resolution	0.01Ω
Capacitance	0.01nF to 50 mF
Frequency	0.5 Hz to 1000 kHz

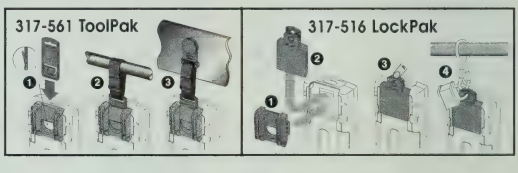
Enhance Your 187 or 189 Meter with These Handy Accessories



317-885

ToolPak snaps onto the back of your Fluke 187 or 189 and provides a universal hanger, straps and magnet to hang your DMM.

LockPak provides a way to lock and secure your valuable new Fluke 187 or 189. Locks sold separately on page 273.



80 Series III Analog/Digital Multimeters

These popular models offer solid construction, great specifications and good value. Large backlit displays with analog bar graphs make readings easy, even in low light conditions. Auto or manual ranging up to 4000 counts gives you great flexibility. Min/Max capture, Touch Hold and relative measurements are standard. Includes rubber holster/tilt stand, manual, and TL75 leads with alligator clips. 9V battery included. 7.4 x 3.4 x 1.25". 12.5 oz.

Specifications		85-III True RMS	83-III
Voltage ranges 400.0mV to 1000V	DC	±(0.08%+1)	±(0.1%+1)
	AC	±(0.7%+2)	±(0.5%+2)
Amps ranges 400.0µA to 10A*	DC	±(0.2%+2)	±(0.4%+2)
	AC	±(1.0%+2)	±(1.2%+2)
Resistance ranges 400Ω to 40.00MΩ		±(0.2%+1)	±(0.4%+1)
Capacitance 5nF to 5µF		±(1.0%+3)	
Frequency 199.99Hz to 199.99kHz		±(0.005%+1)	

Jensen ships the Calibrated Meters with this symbol within 24 hours. 24

Cat. No.	Mfr. No./Description	Each
317-879	Model 189 True RMS DMM w/Datalogging	$399.00
317-387	Model 187 True RMS DMM	379.00
317-887	Model 87-III True RMS DMM	349.00
317-885	Model 85-III True RMS DMM	325.00
317-883	Model 83-III DMM	289.00
24 317-387-C	Model 187 w/Certificate of Calibration	429.00
24 317-879-C	Model 189 w/Certificate of Calibration	449.00

Cat. No.	Mfr. No./Description	Each
24 317-887-C	Model 87-III w/Certificate of Calibration	$399.00
24 317-885-C	Model 85-III w/Certificate of Calibration	375.00
24 317-883-C	Model 83-III w/Certificate of Calibration	339.00
317-809	SC 89 FlukeView Forms Software w/Cable	150.00
317-561	TPAK 80-4 ToolPak for 87-IV and 89-IV only	25.00
317-005	C25 Soft Case for all 80 Series DMMs	24.00

For replacement batteries, see page 282

20 & 70 Series Analog/Digital Multimeters

Built tough inside and out the 70 Series has overvoltage protection to guard against voltage transients, and the IEC 61010-1 safety rating to prove it. A tapered design and large screen with extra-large digits make the 70 Series comfortable and easy to read in even the most difficult situations. Plus the rugged over-molded case offers constant protection no matter how much the 70 Series is banged around.

The 20 Series meters give electricians the multimeter performance they need, with specially designed test leads to make their work easier. The test leads are extra long and the removable Slim-Reach probe tips are designed for a snug fit in wall outlets. An industrial alligator clip makes it easy to attach one of the leads to the circuit and free up one of your hands.

All inputs on the 23, 26, 77 and 79 multimeters are protected to Cat III 600V and Cat II 1000V rating with transient overvoltage protection to 6kV. All inputs on the 21 and 75 are protected to Cat III 600V with transient overvoltage protection to 6kV. The 70 and 73 are protected to Cat II 600V with overvoltage protection to 4kV.

All 70 Series meters come with TL75 leads. The Series 20s come with TL24 leads and black alligator clip. 70 and 73 have C70Y rubber holster. All meters include 9V battery and manuals. Lifetime warranty.



317-577

317-513

MADE IN USA

Features	70/73	21/75	23/77	26/79
Display Counts	3200	3200	3200	4000
Bar graph segments	31	31	31	63
Auto TouchHold	x	x	x	x
Sleep Mode	x	x	x	x
Smoothing				x
True RMS				x

Specifications	70/73	21/75	23/77	26/79
DCV	000.0mV~600V @ ±0.3%		000.0mV~1000V @ 0.3%	00.00mV~1000V @ 0.3%
ACV	000.0mV~600V @ 2%		000.0mV~1000V @ 2%	00.00mV~1000V @ 1.5%
DCA	00.00mA~10A @1.5% (not 70)			0.000mA~10A @ 0.5%
ACA	00.00mA~10A @2.5% (not 70)			0.000mA~10A @ 1.5%
Resistance	000.0Ω~32MΩ @ 0.5%			000.0Ω~40MΩ @ 0.4%
Capacitance	na	na	na	00.00nF~9,999uF @ 1.9%
Frequency	na	na	na	00.00Hz~20.00kHz @ 0.01%

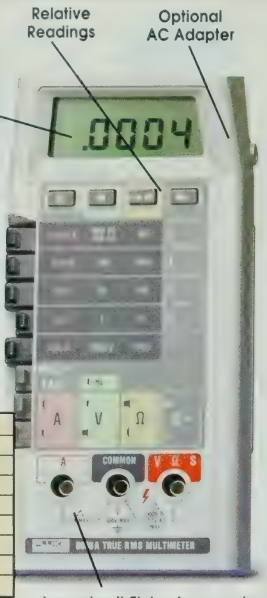
Cat. No.	Mfr. No./Description	Each
317-570	Model 70 Digital Multimeter	$119.00
317-573	Model 73 Digital Multimeter	135.00
317-575	Model 75 Digital Multimeter	165.00
317-577	Model 77 Digital Multimeter	185.00
317-521	Model 21 Digital Multimeter	195.00
317-523	Model 23 Digital Multimeter	215.00
317-579	Model 79 Digital Multimeter	209.00
317-513	Model 26 Digital Multimeter	239.00

Cat. No.	Mfr. No./Description	Each
24 317-570-C	Model 70 w/Calibration Certificate	$149.00
24 317-573-C	Model 73 w/Calibration Certificate	165.00
24 317-575-C	Model 75 w/Calibration Certificate	195.00
24 317-577-C	Model 77 w/Calibration Certificate	215.00
24 317-521-C	Model 21 w/Calibration Certificate	225.00
24 317-523-C	Model 23 w/Calibration Certificate	245.00
24 317-579-C	Model 79 w/Calibration Certificate	239.00
24 317-513-C	Model 26 w/Calibration Certificate	269.00
317-005	C25 Soft Case for all 70/20 Series DMMs	24.00
317-090	C90 Soft Case for all 70/20 Series DMMs	19.00
317-111	C100 Hard Case for all 70/20 Series DMMs	32.00
317-709	Replacement Yellow Holster for Models 70/73	17.00
317-770	Replacement Gray Holster for Models 70/73	17.00

Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



8060 Series Multimeters

➥ **0.04% basic accuracy**

Direct readings of dB referenced to 600Ω you can quickly measure gain or loss of signals. The 8060 series will measure conductance. True-RMS responding. Includes TL70A test leads, 9V battery, spare fuse and manual. 7.1 x 3.4 x 1.8", 14.4 oz. One year warranty. (USA)

Specifications	Ranges	Resolution
DC Volts	1000V	10µV
AC Volts	750V	10µV
DC Current	2.0A	0.01µA
AC Current	2.0A	0.01µA
Resistance	300MΩ	0.01Ω
Frequency	2200kHz	0.01Hz
dBm	-50 to +60dBm	0.01dB
Conductance	2000nS	0.1nS

Accepts all Fluke Accessories

Cat. No.	Mfr. No./Description	Each
317-860	Model 8060A Handheld Meter	$499.00
317-862	Model 8062A Handheld Meter	419.00
24 317-860-C	Model 8060A w/Calibration Certificate	549.00
24 317-862-C	Model 8062A w/Calibration Certificate	459.00
317-081	Optional AC Adapter, 115V	32.00
317-005	C25 Soft Case	24.00
317-090	C90 Soft Case	19.00

For replacement batteries, see page 282



10 Series Multimeters

Push button, slide switch controls make them easy to use. **317-012** has a much requested rotary dial and improved Cat III safety certification. **317-914, 317-912, 317-012 and 317-307** have V-Chek™ and switches to volts if the meter detects voltage while in the Ohms range. 9V battery. 1.4 x 2.8 x 5.6", 10 oz. Two year warranty. (USA)

Specifications	Ranges	Resolution
AC Volts	600V	0.001V
DC Volts	600V	0.001V
Ohms	40MΩ	0.1Ω
Capacitance (not Model 10)	1,000µF-10,000µF	0.001µF
Temperature (Model 16 only)	-40°-750°F	1°
MicroAmp (Model 16 only)	200µA	0.1µA

Cat. No.	Mfr. No./Description	Each
317-910	Model 10 Multimeter	$79.00
317-911	Model 11 Multimeter	89.00
317-912	Model 12 Multimeter	99.00
317-012	Model 12B Multimeter	99.00
317-307	Model 16 Multimeter	129.00
24 317-910-C	Model 10 w/Cal. Cert.	109.00
24 317-911-C	Model 11 w/Cal. Cert.	119.00
24 317-912-C	Model 12 w/Cal. Cert.	129.00
24 317-012-C	Model 12B w/Cal. Cert.	129.00
24 317-307-C	Model 16 w/Cal. Cert.	159.00
317-900	C10 Holster	11.00
317-902	C12A Soft Case	13.00

For replacement batteries, see page 282



Model 27 Extra Rugged Meter

➥ **Totally sealed against water, chemicals and contaminants**

➥ **Safely withstands severe electrical overloads**

Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

MSHA Approved

MADE IN USA

Meter combines accurate digital and analog features with extreme ruggedness and durability. The 0-ring sealed case with separate sealed battery and fuse compartment withstands water, chemicals, accidental drops and contaminants. The voltage inputs recover or fail safe with transient inputs of up to 6kV on top of 660V power lines. 31 segment bargraph for fast nulling, peaking, capacitor testing, min/max memory and relative mode. UL, VDE and MSHA approved. Includes 9V battery. 8 x 3.75 x 2.2", 1.6 lbs.

Specifications	Ranges	Best Accuracy	Min. Resolution
DC Voltage	320mV-1000V	±0.1%	0.1mV
AC Voltage	320mV-1000V	±0.5%	0.1mV
DC Current	320µA-10A(fused)	±0.75%	0.1µA
AC Current	320µA-10A(fused)	±1.5%	0.1µA
Resistance	320Ω32MΩ	±0.2%	0.1Ω
Conductance	32nS	±2%	0.01nS

Cat. No.	Mfr. No./Description	Each
317-227	Model 27 Extra Rugged Meter	$349.00
24 317-227-C	Model 27 Extra Rugged Meter w/Calibration Certificate	379.00
317-005	C25 Soft Case for Model 27	24.00
317-111	C100 Hard Case for Model 27	32.00

For replacement batteries, see page 282

30 Series Clamp Meters

Ideal tools for the industrial electrical technician with tapered jaws for reaching into crowded junction boxes. Hand guard prevents accidental contact with conductors. Models 30, 32, and 36 include test lead set TL75. (see pg. 78) Available with Calibration Certificate. One year warranty. (USA)

317-335 317-514 317-031 317-033 317-036



Cat. No.	Mfr. No./Description	Each
317-335	Model 30 Clamp Meter	$119.00
317-514	Model 32 Clamp Meter	169.00
317-031	Model 31 Clamp Meter	269.00
317-033	Model 33 Clamp Meter	329.00
317-036	Model 36 Clamp Meter	249.00

Cat. No.	Mfr. No./Description	Each
24 317-335-C	Model 30 Clamp Meter w/Calibration Certificate	$149.00
24 317-514-C	Model 32 Clamp Meter w/Calibration Certificate	199.00
24 317-031-C	Model 31 Clamp Meter w/Calibration Certificate	319.00
24 317-033-C	Model 33 Clamp Meter w/Calibration Certificate	429.00
24 317-036-C	Model 36 Clamp Meter w/Calibration Certificate	299.00

	30	32	31	33	36
True RMS		✓	✓	✓	✓
AC Amps	400A @ ±1.3%	600A @ ±2.5%	400A @ ±2.0% min resolution 0.01A		600A ±2%
DC Amps	n/a		n/a		1000A ±1.9%
AC Volts	600V ±1.2%		n/a		600V ±1.5%
DC Volts	n/a		n/a		600V ±1.0%
Ohms	200Ω ±1.2%		n/a		200Ω ±1.2%
Frequency	n/a		10kHz ±0.2%		n/a
Bar Graph			✓	✓	
Max Hold				✓	

Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

7 Series Electrical Testers

The 7 Series is incredibly easy-to-use, automatically changes to the correct measurement and range. 9V battery included. 5.6 x 2.75 x 1.4", 10 oz. Two year warranty. (USA)

Specifications	Ranges
AC Volts	40.00 to 600*
DC Volts	40.00 to 600*
Resistance	400.0Ω
* 330V on 7-300	



Cat. No.	Mfr. No./Description	Each
317-706	Model 7-600 Electrical Tester	$69.95
317-300	Model 7-300 Electrical Tester	54.95
317-900	C10 Holster	11.00
317-902	C12A Soft Case	13.00

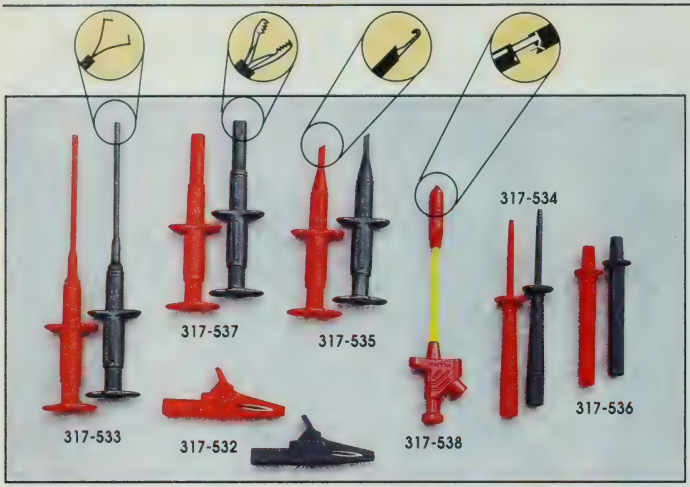


T5 Electrical Testers

Fluke T5 electrical testers let you check voltage, continuity and current with one compact tool. Select volts, ohms or current and the tester does the rest. Test leads stow in the back of the tester for neat storage. The unique OpenJaw™ design lets you check single wire AC current to 100 amps - without breaking the circuit. Measures AC and DC volts to 600 or 1000 volts and resistance to 1000Ω. Includes a continuity beeper. Withstands a 10' drop. Test leads accept Fluke clips. Auto powers off. CAT III rated. 2 AA batteries included.

Cat. No.	Mfg. No./Description	Each
317-311	T5-600 Electrical Tester	$89.95
317-312	T5-1000 Electrical Tester	99.00

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Fax Lines: 800-366-9662 • 602-438-1690



Interchangeable Leads & Probes for Fluke Meters

These probes fit these leads



Cat. No.	Mfr. No./Description	Each
317-539	TL24 90° to Straight Plugs, red and black	$18.00
317-540	TL22 90° x 90° Plugs, red and black	18.00
317-533	AC83 Grabbers, 2 ea.	22.00
317-537	AC20 Alligator Clips, 2 ea.	23.00
317-535	AC80 Spring Hooks, 2 ea.	18.00
317-538	AC89 Insulation Penetrators, 1 ea.	23.00
317-532	AC85A Insulated Large Alligators, 2 ea.	12.00

Cat. No.	Mfr. No./Description	Each
317-536	TP20 Sharp Probes, 2 ea.	$9.00
317-534	TP80 Probes, Very Fine Point, 2 ea.	20.00
317-320	TL20 Industrial Lead Kit w/TL22, AC20, TP20	45.00
317-750	TL75 Lead Set, DMM Replacement Leads	11.00
317-702	AC70A Alligator Clips	8.00
317-542	TL26 Communication Clip Test Leads	35.00



High Voltage Probe

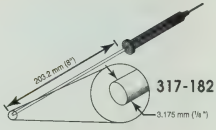
Rated to 40kVDC or peak AC (28kVACRMS). Voltage division of 1000:1 for DMMs with 10MΩ input impedance. Not intended for high energy utility or three-phase applications.

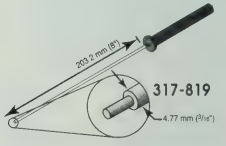
Cat No.	Mfr. No./Description	Each
317-840	80K-40 High Voltage Probe	$124.00
317-840-C	80K-40 High Voltage Probe w/Calibration Certificate	174.00

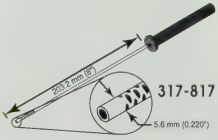
Optional K-Thermocouple Probes

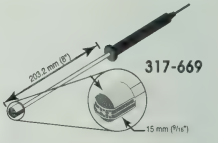














80TK Temp Adapter

➥ 80PK-1 probe

(USA)

Cat. No.	Mfr. No./Description	Each
317-180	80TK K Type Temp Adapter	$70.00
317-180-C	80TK w/Calibration Certificate	100.00



80T-150U Temp Probe

➥ -50° to 150°C, -58° to 302°F with resolution to 0.1° C or F

(USA)

Cat. No.	Mfr. No./Description	Each
317-151	80T-150U Universal Temp Probe for DMMs	$120.00
317-151-C	80T-150U Universal Temp. Probe w/Calibration Certificate	152.00

Cat. No.	Mfr. No./Description	Temp. Range	Each
317-058	80PK-1 Beaded Probe	-40 to 50°F	$13.00
317-182	80PK-2A for Liquids	-320 to 1994°F	47.00
317-183	80PK-3A for Surfaces	32 to 500°F	87.00
317-817	80PK-4A for Gases	-320 to 1500°F	64.00
317-680	80PK-5A for Food or Liquid	-320 to 1500°F	58.00
317-819	80PK-6A Extended Beaded Probe	-320 to 1500°F	65.00
317-669	80PK-7 Industrial Surface Probe	-320 to 1112°F	189.00

Current Clamp Selection Guide

	AC Models Only		AC/DC	
*Current Clamps must be used with true-rms meters to take true-rms measurements.				
	80i-400	80i-600A	i410	i1010
Type	1000:1 transformer	1000:1 transformer	1000:1 Hall Effect	1000:1 Hall Effect
Diameter	1.18" (30mm)	1.98" (50mm)	1.18" (30mm)	1.18" (30mm)
AC Range	400A	600A	400A	600A
AC Accuracy	±(3% of reading + .4A)	±2% of reading	±3.5%	±2%
DC Range	n/a	n/a	400A	1000A
DC Accuracy	n/a	n/a	±3.5%	±2%
Zero adjust	n/a	n/a	✓	✓
Working Voltage	660V	750V	600V	600V
Warranty	1 Year	1 Year	1Year	1 Year

Cat. No.	Mfr. No./Description	Each
317-310	80i-400 1000:1 Transformer Clamp	$95.00
317-600	80i-600A1000:1 Transformer Clamp	129.00
317-411	i410 AC/DC Clamp 400A	154.00
317-110	i1010 AC/DC Clamp 1000A	254.00

Cat. No.	Mfr. No./Description	Each
24 317-310-C	80i-400 1000:1 Transformer Clamp w/Calibration Certificate	$120.00
24 317-600-C	80i-600A1000:1 Transformer Clamp w/Calibration Certificate	154.00
24 317-411-C	i410 AC/DC Clamp 400A w/Calibration Certificate	179.00
24 317-110-C	i1010 AC/DC Clamp 1000A w/Calibration Certificate	304.00



Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

Cases for DMMs and Accessories

C25 zippered padded vinyl case designed to accept Model 20/70s and Model 80-IIIs along with standard test leads.

C12A zippered padded vinyl case designed to accept Model 10s and test leads.

C75 zippered carrying case for accessories. Two internal pockets.

C50 zippered vinyl carrying case with belt loop and inside pocket designed for the 50 Series thermometers.

C90 zippered vinyl case with inside pocket designed for the 20/70 and 80-III meters. Gives a tighter fit than C25.

C125 zippered case with detachable external pouch designed for the 187, 189, 123 and 725.

C781 similar to C125 but designed for the 867 Graphical multimeter.

Cat. No.	Mfg. No./Description	Each
317-005	C25 Case	$24.00
317-902	C12A Case	13.00
317-543	C75 Case	9.00
317-025	C50 Case	17.00
317-090	C90 Case	19.00
317-138	C125 Case	25.00
317-277	C781 Case	39.00
317-007	C789 Case fits 867, 40 series, 123	80.00



i2000flex Current Probe

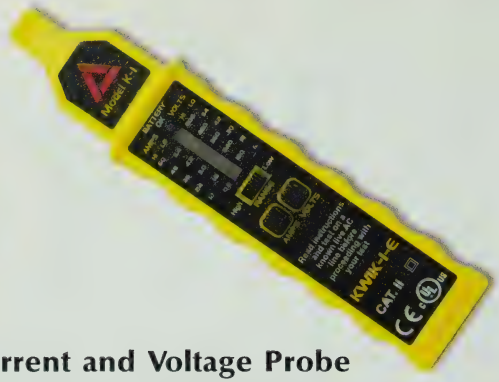
➥ **Gets hard-to-reachconductors**

A flexible AC current probe for scopes and DMMs perfect for measurement on large and difficult to reach conductors. The flexible 62" circumference probe can be bent into any shape and has a coupler to open it up. It has a BNC connector and comes with an adapter to banana plugs to connect to a DMM. Dual 200/2000 amp range rated for 600V cat III, and a 9V battery. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
317-021	i2000flex Current Probe	$249.00

For replacement batteries, see page 282

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Current and Voltage Probe

Simply rest the probe against an insulated conductor, select current or voltage and the probe will display the level on its LED bargraph. A unique probe, which will indicate not only the presence of voltage, but also the level without making contact with any bare conductors. Equally handy is the ability to determine the current flow through even three wire Romex without the need to separate conductors. A must for electrical work and safety checks.

Cat. No.	Mfg. No./Description	Each
483-001	Non-Contact Volt - Amp Probe	$39.00



Compact Clamp-on Testers

These compact clamp meters offer low cost easy to use alternative for occasional use. The 906-611 offers an analog bargraph in its display. The 34-612 offers peak hold, zero and thinner jaws. Both testers conform to CATIII 300V.

Range/Accuracy	906-611	34-612
AC Current	0.00~300.0A @ ±1.2%	0.00~300.0A @ 2.5%
DC Current	n/a	0.00~300.0A @ 2.5%

Cat. No.	Mfg. No./Description	Each
906-611	300-10 AC Clamp Meter	$109.00
34-612	300-20 AC/DC Clamp Meter	289.00



Simpson®

260 Series VOM

The world's analog standard. 1000V AC and DC scales, 500ma DC current, 10kΩ, 20 to 50db @ 600Ω ref. Meters include test leads, owner's manual, one AA and one 9V battery. Meter fully functional while in optional yellow nylon carrier. 7 x 5 1/4 x 3", 2 1/2 lb. 90 day manufacturer's warranty. (USA)

Specifications	-8	-8P	-8Xi	-8XPi
Continuity Beeper		✓	✓	✓
0.25/1VDC Ranges	✓	✓		
Overload Protection		✓		✓
10ADC Range			✓	✓
5-300ACA Option†			✓	✓
Yellow ABS Case			✓	✓

† Requires 50-541 clamp adapter

Cat. No.	Mfr. No./Description	Each
50-268	260-8 VOM	$200.00
50-960	260-8P w/Overload	266.00
50-395	260-8Xi Yellow	215.00
50-396	260-8XPi Yellow w/Overload	285.00
50-832	Optional Yellow Nylon Carrier	54.00
50-541	AC Clamp Adapter	100.00

For replacement batteries, see page 282

TRIPLETT CORPORATION



310 Miniature VOM

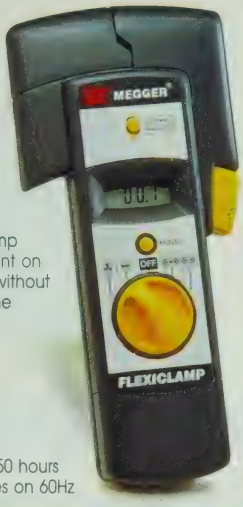
Both meters come complete with 42" safety leads, screw-on alligator clips, batteries (one each, 220 and 910F) and manual. **310 TEL** includes polarity reversing switch. 2 3/4 x 1 5/16 x 4 1/4", 12 oz. Three year warranty. (USA)

Specifications	310	310 TEL
DC Volt Range ±3% Full Scale	1200VDC	300VDC
AC Volt Range ±4% Full Scale	1200VAC	300VAC
Ohms Range ±3% Scale Length	20MΩ	20MΩ
DC Current ±3% Full Scale	600mA	600mA

Cat. No.	Mfr. No./Description	Each
56-301	310 VOM	$85.00
56-302	310 TEL VOM	115.00
56-202	Optional Carrying Case	13.50
56-153	Replacement Test Leads	9.95

BIDDLE INSTRUMENTS

Megger® FlexiClamp 200



- Measures current on power cords

The FlexiClamp does what clamp meters should do - measures current on two and three wire power cords, without having to split them. Just clamp the cord in the special jaws. Measures up to 40 amps on 2 or 3 wire cords and up to 200 amps on single wires, so you can use it as a traditional clamp meter. 5% accuracy and a resolution of 0.1 amp. Features reading hold, auto power off in 5 minutes and up to 50 hours battery life (9V included). Operates on 60Hz AC lines only. Rated Cat. III 300V.

Cat. No.	Mfg. No./Description	Each
293-200	Megger® FlexiClamp 200	$169.00

Magnetic Field Probes



Detect magnetic fields around transformers, coils, armatures, solenoids and relays as well as permanent magnets. Red lights glow, indicating presence of static (DC) or fluctuating (AC) fields. Probes can even indicate north and south poles. For micro-relays and reed switches, use the high-sensitivity probe.

Cat. No.	Mfg. No./Description	Each
109-400	Standard Magnetic Field Probe	$30.00
109-450	High-sensitivity Magnetic Field Probe	35.50



IDEAL

Neon Electrical Tester

The simple reliable neon bulb electrical tester. Touch the leads to a circuit and the lamp glows. Detects voltages from 80 to 500V in AC or DC. One year warranty.

Cat. No.	Mfg. No./Description	Each
338-201	61-503 Neon electrical tester	$2.95

EXTECH INSTRUMENTS

2000A True RMS Clamp DMM



Measures to 2500A DC, our highest reading clamp meter. True RMS sampling means you get an accurate current or voltage reading no matter what the shape of the waveform. Average sensing instruments can display readings off by as much as 30% on complex waveforms. This instrument features an analog bargraph, data hold, 1kHz frequency response, analog output (1mA/A), voltage and resistance measurement, relative/min/max and continuity. The jaws accept up to 1000MCM conductors. Complete with test leads, 9V battery and case. Rated to CAT III 600V.

	Range and accuracy
AC/DC Voltage	0.0mv~600V @ ±1.5%
DC Current	0.0A~2500A ±1.5% (±2.0% >2000A)
AC Current	0.0A~2100A ±2.0% (±2.5% >1000A)
Resistance	0.0~40.00MΩ ±1.5%

Cat. No.	Mfg. No./Description	Each
608-003	380920 2000A True RMS Clamp DMM	$359.00

FLUKE®

VoltAlert™ Voltage Detector

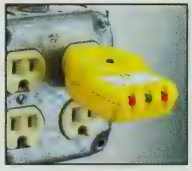


So easy to use - just touch the tip to a control wire, conductor or outlet. When it glows red, you know there is voltage on the line. Electricians, maintenance, service, safety personnel and home owners can quickly check for energized circuits. Available in two voltage ranges: the low voltage model works on 24~90VAC the high energy model detects voltages 90~600VAC.

Cat. No.	Mfg. No./Description	Each
317-001	1AC VoltAlert High Voltage Detector	$20.95
317-006	1LAC VoltAlert Low Voltage Detector	21.95

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Order Lines: 800-426-1194 • 602-453-316
Fax Lines: 800-366-9662 • 602-438-169





E-Z Check Circuit Identifiers

- Quickly identify circuit breaker/fuse locations

E-Z Check Plus provides a simple, positive identification of circuits. Simply plug the transmitter into a live 110V outlet and sweep the receiver over the circuit breaker or fuse panel. Audio and LED indicators identify the traced circuit and GFCI operation is checked. The optional **Load Center Marker Booklet** provides a supply of pre-printed, self-adhesive labels for commonly located circuits. Receiver uses one 9V battery sold separately.

Cat. No.	Description	Each
600-052	E-Z Check Plus with GFCI Test	$59.00
600-054	Load Center Marker Booklet	15.00
473-005	9V Alkaline Battery	3.15



Circuit Breaker Identifier

- No need to interrupt power
- Audible and visual indication

Cat. No.	Description	Each
338-003	Circuit Breaker Identifier	$41.00

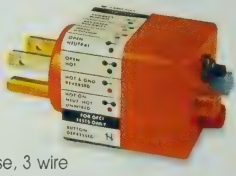


SureTest Branch Circuit Analyzers

- Loaded circuit testing
- Detect unsafe wiring

These analyzers can indicate problems which others miss. By placing a load of 15 or 20 amps on the line, SureTest can detect excessive voltage drops which indicate poor connections or undersized wiring, possibly leading to fires. One year warranty.

Cat. No.	Mfr. No./Description	Each
413-020	ST-1D Branch Analyzer	$295.00
413-025	ST-1THD Branch Analyzer	489.00



Standard/GFI Receptacle Testers

521-101 tests all 115VAC, single phase, 3 wire conventional and GFI protected outlets for proper wiring reversed polarity and correct grounds. Push-button switch tests GFI trip function at 5mA level.

521-020 is similar, without the GFI test function.

Cat. No.	Description	Each
521-101	GFI Receptacle Tester	$25.00
521-020	Standard Receptacle Tester	11.00



Stop Shock Outlet Tester

- Verifies safeground
- Checks proper wiring

Cat. No.	Description	Each
338-004	Stop Shock Outlet Tester	$25.00



Outlet Fault Recorder System

- Useful for contractors, utility engineers, facilities engineers
- For residential, commercial, and industrial facilities

VR101S is a complete system for testing the quality of electrical systems in homes, offices, hospitals and factories. Simply plug in the recorder to any 115VAC outlet. It records up to 4000 events including sags, surges, power interruptions, spikes and frequency variations.

Includes recorder, RS-232 cable, Windows® software. Purchase recorders separately for multi-site testing; each has a unique code. Seven year lithium battery included. One year warranty. (USA)

Sags, Swells and Outage Measurements		
	Range	Accuracy
Hot-to-Neutral	0-200Vrms	±2Vrms
Neutral-to-Ground	3-200Vrms	±2Vrms
Transient Measurements		
Hot-to-Neutral	100-2500Vpk	±(10% reading +10V)
Neutral-to-Ground	50-2500Vpk	±(10% reading +10V)
Phase Angle	20° to 180° 200° to 360°	±1°
Frequency Measurements		
	45-65Hz	±0.1Hz

Cat. No.	Mfr. No./Description	Each
317-321	VR101S Voltage Event Recorder System	$595.00
317-322	VR101 Extra Recorder	495.00

Power Investigator for Outlets



- Finds and explains problems
- Suggests solutions

The Power Investigator examines power quality for nine types of problems and counts each event type (up to 65,000). It downloads a report telling the causes of problems and their effect on equipment. A solutions report is printed detailing how to correct the problems. Output provided via built-in parallel port. Printer not included. Works on AC lines from 80V to 300V, 40Hz to 400Hz. 7 x 4.5 x 2.25", 2 lbs. One year warranty.

Cat. No.	Mfr. No./Description	Each
693-001	PI 500 Power Investigator	$495.00



DETECTIVE® A.C. Power Line Monitors

Detective PC can operate in stand-alone mode, storing information for up to 72 hours, or it can be used in conjunction with a PC compatible computer or laptop for realtime capture of events. Comes with power audit software for compiling printed reports which explain events in plain English. 6' cord. 8 x 10 x 2", 5 lbs.

Detective D200 offers programmable thresholds, 1500 event storage, temperature and DC voltage inputs, 5 year battery backup of memory, an easy to use menu system for front panel control and output, a built-in serial RS-232 port for remote downloading and local printouts **Host PC Software** recommended. 6' cord. 10 x 8 x 4", 4.5 lbs.

Detective D300 Service Call Edition includes a D200, 80 column ink-jet printer, and is housed in a tough polyethylene carrying case. No need to unload and set-up; open the case and plug in the unit. 6' cord. Case measures 16 x 23 x 10.5", 23 lbs. (USA)

Specifications		
Measurement	Range	Accuracy
RMS Voltage	90-300VAC	±1.5%
Neutral Voltage	1VAC	±1.5%
Spikes*	0-200V	10%
Surge*	10% over RMS	±1.5%
Sag*	10% under RMS	±1.5%
Noise	10KHz-10MHz over 2V P-P	
Frequency	40-70Hz	±0.1%
Phase Shift		±5°
Common Mode Noise*	5-1000V	±10%
Drop Out	1/120 second @ 50% RMS	
Power Fail	80V RMS	±1.5%
DC Voltage* **	±15V	±0.5%
DC Spikes* **	±5-15V	±5%
Temperature**	0-128°F	±1°F
Ground Impulse**	0.5-5V	±10%
Ground Noise**	0.5-5V	

*Adjustable threshold **not available with PC Editions

Cat. No.	Mfr. No./Description	Each
693-050	Detective PC, Universal Voltage	$695.00
693-095	Detective D200, 90-300V	1595.00
693-500	Detective D300, 115V	$2395.00
693-400	Host PC Software for D200 and D300	200.00

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Fax Lines: 800-366-9662 • 602-438-1690



317-043



317-041

FLUKE®

Power Analyzers

Model 39 Power Meter gives direct 3Ø power readouts from simple single-phase measurement. Reads true RMS voltage and current, Peak, DC and crest factor, total harmonic distortion, active power from 10W to 300kW. It also displays apparent power, reactive power, total power factor and displacement power factor. It displays the frequency from 6Hz to 99.9Hz and harmonics of the fundamental out to the 31st with K factor while displaying the phase angle of fundamental and harmonics. It will record min, max and avg.

Model 41B offers all of the features of the Model 39 above and adds memory for eight complete data sets, data logging, and an optically isolated serial port for downloading stored results for analysis on a PC. It includes the FlukeView Windows software for downloading, analysis and archiving.

The **Model 43** Power Quality Analyzer extends the features of the above tools. It provides voltage, current and power harmonics up to the 51st harmonic. It measures total harmonic distortion, phase angle of each harmonic, Watts, power factor, displacement power factor, VA and VAR. It also displays voltage and current waveforms. It will continuously measure volts and amps on a cycle-by-cycle basis for up to 16 days. Its display shows transients, current at the instant of voltage events and will save up to 40 transients. All models include a 500A current clamp, TL24 test leads, AC20 alligator clips, TP20 test probes and manual. 41B and 43 include serial cable and software. 43 includes hard carry case. 3 year warranty.

Measurements	39/41B	43
Voltage	5.0~600V rms @ ±0.5%	5.000~600V @ ±1.0%
Current	1.00~1000A rms @ ±0.5%	50.00~50.00kA @ ±1.0%
Frequency	6.0~99.9Hz @ ±0.3Hz	40.0~70.0Hz @ ±0.5%
Watts/VA	0.0~600kW avg @ ±1%	250~2.5MW @ ±4%
Crest factor	1.00~5.00 @ ±4%	n/a
Power factor	0.00~1.00 @ ±0.02%	0.25~1.00 @ ±0.04%
COS Ø	0.00~1.00 @ ±0.04%	
K factor	1.0~30.00 @ ±10%	1.0~30.0 @ ±10%
% THD	0.00~99.9% @ ±0.03%	
Ohms	n/a	0.0~30.00MΩ @ ±0.6%
Capacitance	n/a	0.00nF~500.0µF @ ±2.0%

Cat. No.	Mfr. No./Description	Each
317-043	43 Power Quality Analyzer	$1995.00
317-041	41B Power Meter	1895.00
317-040	39 Power Meter	1095.00
317-041-C	41B with Calibration Certificate	1945.00
317-040-C	39 with Calibration Certificate	1145.00
317-007	Soft Carry Case	80.00

For replacement batteries, see page 282



BIDDLE INSTRUMENTS

Multifunction Installation Tester

The Megger CM500 is a compact instrument that combines all the functions required to fully test domestic, commercial and industrial electrical wiring. It is the first tester designed with a non-tripping loop test guaranteed not to trip any GFCI rated 30mA or above.

The CM500 performs the following tests, eliminating the need to carry several separate instruments; ramp test for measuring actual trip current of GFCIs, variable test current for programmable GFCIs, insulation tests up to 1000V, continuity test, phase-phase, phase-neutral and phase-ground loop tests, high current loop testing with 0.1Ω resolution, prospective ground fault and short circuit current, ground electrode resistance test, no-trip, trip and fast-trip GFCI testing, DC sensitive, selective and general purpose GFCI, supply voltage, polarity and frequency.

The CM500 can store up to 750 tests in memory and has a serial port for printing or downloading. It comes in a tough case, has a large easy-to-read backlit display, and is easy to operate with just a twist of the knob. Includes test leads, carry case, user manual.

Voltage Measurement	25~500V @ ±2%
Frequency Measurement	16~460Hz @ ±0.1%
Insulation Testing	250, 500 & 1000VDC up to 499MΩ @ ±2%
Resistance Measurement	0.00~99.9kΩ @ ±5%

Cat. No.	Mfr. No./Description	Each
293-500	CM500 Multifunction Installation Tester	$1495.00

BIDDLE INSTRUMENTS

Multi-Megger® Insulation Testers



Now you have an all-in-one insulation tester/multimeter. In addition to extremely high sensitivity insulation testing to 200GΩ you have complete multimeter test functionality and the ability to view the insulation measurement in terms of leakage current.

The BMM80 includes capacitance measurements and millivolt input to accept a wide range of adapters from temperature to current. The BMM 2000 and BMM 0280 measure up to 500VAC in addition to their insulation tests and accept millivolt adapters. The BMM2500 and BMM2580 offer test storage and download. All models include test leads, carry case, switched probe, and BMM2500 series includes software.

Cat. No.	Mfr. No./Description	Each
293-005	BMM2580	$1355.00
293-004	BMM2500	850.00
293-003	BMM2080	1255.00
293-002	BMM2000	750.00
293-080	BMM80	1195.00

For replacement batteries, see page 282

BIDDLE INSTRUMENTS

Megger® LT7 Digital Loop Tester



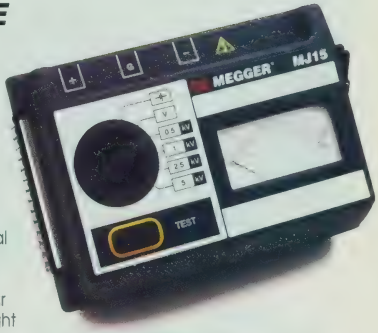
Handheld, battery-operated instrument for accurate measurement of loop resistances and prospective fault currents at outlets, distribution boards and light sockets. It can also test earth bonding. Tests phase-ground and phase-neutral supply loops on 230V and 115V supplies. Direct readout, no calculations to be made. Includes case, leads, four AA batteries, and manual. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
293-007	Megger LT7 Digital Loop Tester	$750.00

For replacement batteries, see page 282

BIDDLE INSTRUMENTS

5kV Megger® Insulation Tester



Measures insulation resistance for go/no go applications. Analog dial and rugged case for outdoor use. Measures voltage and applies four tests. Complete with eight AA batteries, user guide, carry case, three 10' safety leads and five overlays (and hand crank on 293-020). One year warranty. (USA)

Test Voltages: 500, 100, 2500, 5000V **Max reading:** 20GΩ

Cat. No.	Description	Each
293-015	5kV Megger Insulation Tester	$1950.00
293-020	5kV Megger Insulation Tester, Hand Crank	2150.00

For replacement batteries, see page 282

BIDDLE INSTRUMENTS

Digital Earth Tester



- Weatherproof
- Simple automatic operation

Designed to test simple earth electrodes. Earth resistance measured from 100mΩ to 2kΩ Three terminal operation. Completely automatic testing. Rejects noise to 40V. Eight AA batteries included. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
293-070	DET62D Digital Earth Tester	$650.00
293-103	Carrying Case	75.00
293-160	Three Terminal Earth Probe Kit	235.00

For replacement batteries, see page 282

AEMC INSTRUMENTS

Clamp-On Ground Resistance Tester



- 1200Ω Range

Measures ground rod and small grid resistance without auxiliary ground rods. Clamp around the ground conductor and measure the resistance to ground. Fits rods up to 1000 MCM typical in telecommunications. Includes carry case and calibration loop

Cat. No.	Mfr. No./Description	Each
464-002	3711 Ground Resistance Tester	$1995.00

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All-New ScopeMeter® 190 Series

- Up to 200MHz
- 2.5GS/s real-time sampling
- Connect-and-View speeds troubleshooting
- 27,500 point deep memory

The next generation of Fluke ScopeMeters offers high performance in a handheld, battery powered instrument. The case is rugged, shockproof with integrated holster. It is drip and dust-proof to IP51. The display is improved with a CCFL backlight for uniform lighting. The ScopeMeter has 10 memory locations that each can contain two waveforms plus corresponding setup. In Recorder mode it has two memory locations that each can contain 100 captured dual input scope screens, or a dual input ScopeRecord (27,500 min-max pairs per input), or a dual input Trendplot (13,500 min-max pairs per input). All of these memories can be time/date stamped.

ScopeMeter has input voltage ratings of 1000V Cat II, 600V Cat III. They are powered by either line power via the adapter/charger or the installed 4 hour rechargeable batteries.

ScopeMeter comes complete with rechargeable battery pack, AC adapter/recharger, two test leads with hook clips, and user manual. SCC kit includes C190 hard case, Flukeview software and opto-serial cable. 3 year factory warranty.

Cat. No.	Description	Each
317-0199	199 ScopeMeter	$2595.00
317-0198	199 ScopeMeter w/SCC Kit	2985.00
317-0196	196 ScopeMeter	2295.00
317-0197	196 ScopeMeter w/SCC Kit	2685.00
317-0192	192 ScopeMeter	1995.00
317-0191	192 ScopeMeter w/SCC Kit	2385.00
317-0190	C190 Hard Carry Case	135.00
317-0195	C195 Soft Carry Case	120.00
317-0193	FlukeView Software	195.00
317-255	Opto-isolated RS/232 Cable (reg. for FlukeView)	145.00
317-0189	BP190 Spare Battery Pack	105.00
317-0188	BC 190/803 Stand-alone Battery Charger	75.00
317-0199-C	199 ScopeMeter w/Certified Calibration	2720.00
317-0198-C	199 ScopeMeter w/SCC Kits and Certified Calibration	3110.00
317-0196-C	196 ScopeMeter w/Certified Calibration	2420.00
317-0197-C	196 ScopeMeter w/SCC Kits and Certified Calibration	2810.00
317-0192-C	192 ScopeMeter w/Certified Calibration	2120.00
317-0191-C	192 ScopeMeter w/SCC Kits	2510.00
317-865	80i-1000s 1000AAC Current Probe	395.00
317-004	80i-110s AC/DC 50mA~100A Current Probe	395.00

Specifications	192	196	199
Bandwidth	60 MHz	100 MHz	200 MHz
Risetime	5.8ns	3.5ns	1.7ns
Sample rate	500MS/s	1 GS/s	2.5 GS/s
Timebase range	10ns/div~5s/div	5ns/div~5s/div	

Features	
Glitch capture	50ns
Display modes	Ch 1, Ch 2, dual, average, persistence, invert, replay
Acquisition modes	Normal, auto, single shot, ScopeRecord, roll, glitch capture
Trigger and delay	Ch 1, Ch 2, ext. automatic, free run, single shot, edge, delay, video, video line, selectable pulse width
Video triggering	NTSC, PAL, PAL+, SECAM w/ field 1 & 2 and line select
Pulse width triggering	<t, >t, =t, <>t from 0.01 div to 50ns
Time delay	9 div. Pre-trigger view to 1000 div trigger delay
Automatic measurements	VDC, VAC, VAC+DC, Vpeak max, Vpeak min, Vpeak to peak, Hz, ± pulse width, ± duty cycle, AC/DC amps, AC+DC amps, power factor, watts, VA, VA reactive, phase, dBV, dBm
Cursor measurements	Voltage and time at cursor or between cursors
DMM counts	5000
Voltage range/accuracy	500mV~1000V @ ±0.5%
Ohms range/accuracy	500~30M @ ±0.6%
Continuity	X
Diode test	X

ScopeMeter 123

- Perfect for industrial technicians
- Hands-off scope readings
- Rugged and reliable

Designed for industrial troubleshooting and built tough with an integral protective holster and drip proof case. Connect-and-View lets you view even complex motor control signals without touching a button. And you can take all your readings with a single probe; scope, meter, capacitance and resistance. To read current, order optional Clamps. It can act as a recorder, to track intermittent problems. Large, backlit display, simple menus and up to 5 hour battery life will make you more productive immediately. 317-123 comes complete with AC adapter/charger, shielded test lead set, alligator clips, hook clips, shielded BNC adapter, user's manual and rechargeable battery. 2 x 4 1/2 x 9", 2.5 lbs. Three year warranty.

Features	Specifications
Bandwidth/Channels	2 x 20MHz
Volts per Division	5mV-500V
Memory	2 screens and 10 set-ups
DMM Channels	2 true RMS to 1250V
Counts Displayed	5000
Accuracy	±0.5%
Measurements	temp, current, duty, pulse width, dB, Hz
RS-232	optically isolated
Capacitance	50nF to 500µF

Cat. No.	Mfr. No./Description	Each
317-123	ScopeMeter 123 Industrial Scope	$1195.00
317-123-C	ScopeMeter 123 w/Calibration Certificate	1295.00
317-124	ScopeMeter 123 w/SCC 120 Kit	1490.00
317-124-C	ScopeMeter 123 w/SCC 120 Kit w/Calibration Certificate	1590.00
317-128	BP120 Spare Battery Pack	40.00
317-129	FlukeView for Windows	195.00
317-136	SCC120 Kit: C120, Serial Cable, BB120, FlukeView	295.00
317-138	C125 Compact Soft Case w/Belt Loop	25.00
317-004	80i-110s AC/DC Current Clamp 0 to 100A (req. for amps)	395.00



860 Series Graphical™ Multimeter

- High accuracy for demanding applications
- Bridges the gap between o'scope and meter
- Big display shows multiple waveforms and readings

Designed for those who need an extremely accurate, true RMS meter and the ability to view dynamic waveforms. Features include TrendGraph™ for plotting meter readings for up to 30 hours. Capacitance, duty cycle, pulse width, period and frequency are displayed directly. Min/Max with time stamp, dB measurements and component testing are included. Order optional **317-009** to run on AC or Rechargeable NiCads and Charger included with 317-867. (317-867 can use 6 AA batteries if NiCads run out.) 9.7 x 5.4 x 2.75", 3 lbs. Three year warranty.

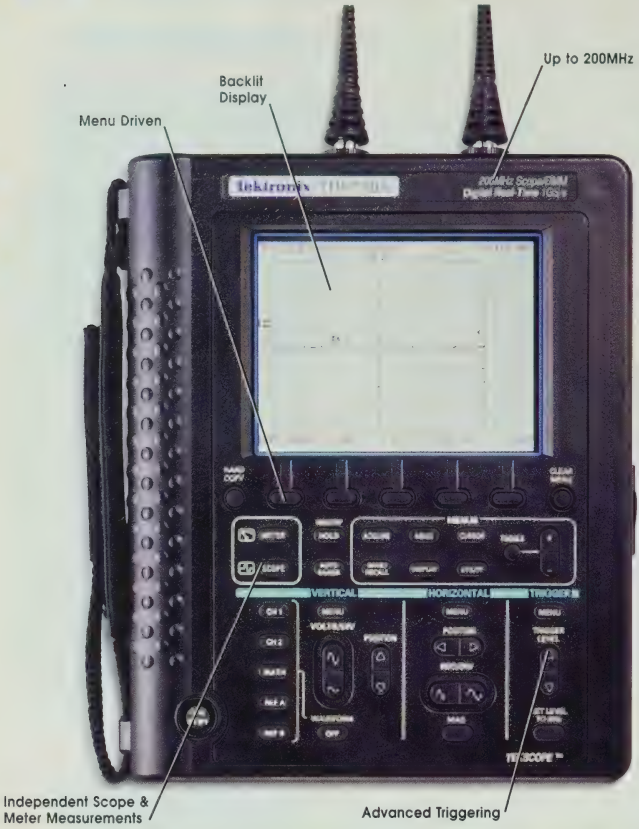
Features	Range	Best Accuracy	Resolution
		867B	
Volts DC	0-1000V	±0.025%	0.01V
Volts AC	0-1000V	±0.5%	0.01V
Amps DC	0-10A	±0.05%	0.01µA
Amps AC	0-10A	±0.75%	0.1µA
Resistance	30-32MΩ	±0.07%	0.01Ω
Capacitance	10000pF-10000µF	±1.9%	10pF
dB/dBm	2-1200Ω reference	±0.5dB	0.01dB
Frequency	2Hz- 10MHz 2Hz-2MHz	±0.05% ±0.05%	0.01Hz n/a

Cat. No.	Mfr. No./Description	Each
317-867	867B Graphical Multimeter w/Backlight	$995.00
317-867-C	867B w/Calibration Certificate	1090.00
317-672	FlukeView™ Software and Serial Cable for PC	245.00
317-007	C789 Soft Case	80.00
317-203	Rechargeable NiCad Battery	129.00
317-204	Battery Charger, External	119.00
317-009	Battery Eliminator, 120VAC	65.00

For replacement batteries, see page 282



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Handheld Digital Oscilloscopes

- **Bench top power in the palm of your hand**
- **Video and external triggering**
- **Up to 200MHz bandwidth**

TekScopes use digital real-time sampling to obtain the most accurate waveforms possible and to enhance single-shot capture. They store up to 2500 points so you can capture events and view them in-depth, scrolling and zooming to see details. Advanced triggering lets you use a dedicated external trigger input with delay, pulse width or video (line or field). Use the quick menus to select one of twenty-one built-in automatic measurements to speed your troubleshooting.

TekScopes also have a built-in true RMS digital multimeter which can be used simultaneously with and independently of the o'scope section. They operate on nickel cadmium batteries or AC. Spare batteries and charger are available to extend working times. A built-in RS-232 port lets you program and download from the scope. We recommend the optional Wavestar Windows software. Storing and downloading waveforms for comparison measurements in the field can vastly improve productivity.

TekScopes come with two scope probes, meter leads, battery pack, AC power adapter, soft case, cable and adapters for RS-232 port, and user manual. Case has built-in tilt stand. TekScopes can use any o'scope accessory. 7 x 8.5 x 2", 3.2 lbs. Three year warranty protects your investment and each oscilloscope comes with a calibration certificate. (USA)

Oscilloscope Specifications

Features	THS730A	THS720A	THS720P
Bandwidth/Channels	200MHz x 2 channels	100MHz x 2 channels	100MHz x 2 channels
Sampling Rate/Channel	1GS/s	500MS/s	500MS/s
Record Length	2500 points		
Waveform Storage	10 Waveforms		
Cursor Measurements	ΔVolts, Δ Time, 1/Δ Time (Hz), Phase degree		
Automatic Measurements	Period, ±Width, ± duty cycle, high, low, peak-to-peak, mean, cycle mean, burst width, frequency, rise and fall time, ±overshoot, minimum, maximum, amplitude, RMS, cycle RMS		
Sensitivity	5mV to 50V/division		

DMM Specifications

DC Volts	400.0mV to 880V ±0.5%
AC Volts	400.0mV to 640V ±2%
Resistance	400.0Ω to 40.00M Ω±0.5%
Diode Test	0 to 2.0V
Continuity	audible tone at <50 Ω
dB and dBm	referenced from 1 to 10mV or 50 to 600 Ω
Maximum Float	600Vrms
Resolution	4000 counts (e.g. 4.001 Volts, 390.0 Ω)

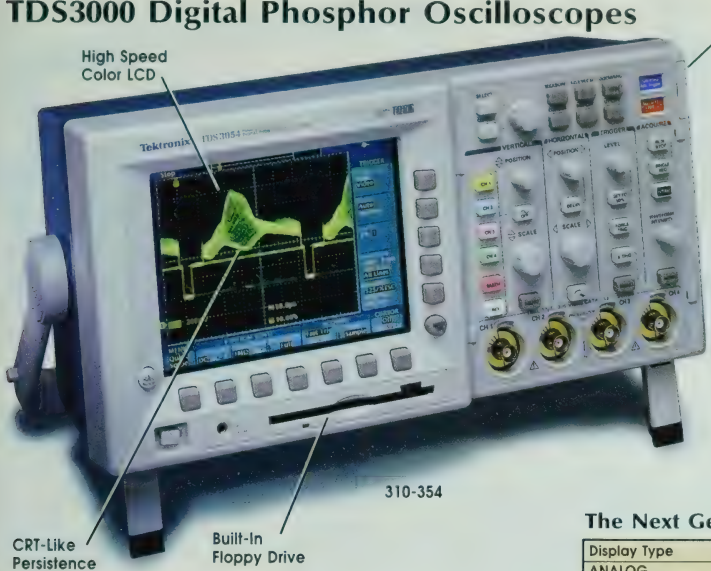
720P Specifications

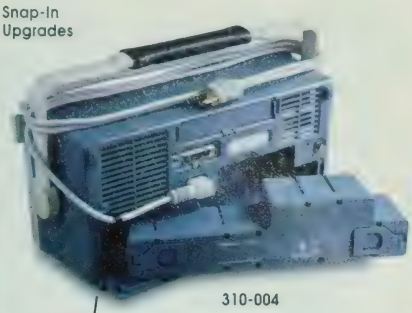
Vertical Resolution	8 bits
600Vrms Floating Measurement	✓
PWM Motor Drive Trigger	✓
Harmonics to 31st	✓
Power Measurements	True, apparent and reactive power, THD - R and F, power factor, displacement power factor, ø phase difference Volts to Amps

Cat. No.	Mfr. No./Description	Each
310-730	THS730A Oscilloscope	$3395.00
310-975A	THS720A Oscilloscope	2995.00
310-720	THS720P Oscilloscope w/Power Measurements	3295.00
310-013	Large Hard Carrying Case	295.00
310-014	Spare Battery Pack	90.00

Cat. No.	Mfr. No./Description	Each
310-011	Charger for Spare Battery	$325.00
310-022	P6117 x 10 Replacement Probe for THS720/730/710	120.00
310-102	P5102 1KV Probe (included with THS720P)	250.00
310-777	P5100 2.5KV Probe	250.00
310-941	WaveStar Scope Software for Windows	395.00

TDS3000 Digital Phosphor Oscilloscopes





- **500MHz, 300MHz, 100MHz**
- **Sample rates to 5GS/s**
- **Centronix printer port**
- **9 bit vertical resolution**
- **QuickMenus for faster operation and setup**
- **On-Line Tour disk runs on scope for quick training**

The TDS3000s are the new design in digital scopes. Gone are the complaints of digital screen technologies: lack of detail, slow response times, and lack of the effect of phosphor 'persistence'. Old analog screens would be brighter where the trace spent more time and dimmer where it spent less. This is invaluable in analyzing complex waveforms and was missing in digital scopes until now.

Using state-of-the-art signal processors, the TDS3000s provide technicians and engineers the benefits of analog-like screen response with the invaluable tools of digital storage and triggering. The fast update rates make viewing and capturing infrequent waveforms or waveform variations easier.

Another breakthrough is the compact shape of the TDS3000s. The small footprint frees up benchtop space and makes these the most powerful portable scopes ever offered. You can even order the **optional rechargeable Battery Pack** for field use. Other upgrades are literally a snap. Application modules simply snap into the scope chassis for greater productivity. No more waiting for factory installed options. TDS3000s come with probes for each channel, front cover, certificate of calibration. 14.8 x 6.9 x 5.9", 7 lbs (11.5 lbs w/battery). 3 year warranty. The TDS3000s accepts any accessory probes including active probes.

Options:

310-008: GPIB and RS-232 full talk/listen, control of all modes, settings and measurements. Programmers manual.

310-012: Output directly to VGA compatible monitor. RS-232 interface same as TDS3GM

310-041: FFT measurements for analyzing frequency and harmonics on 2 channel models, standard on 4 channel models.

310-039: Adds logic and Pulse triggering to two channel models. Standard on four channel models.

310-040: Extended video triggering adds line count triggering, custom video and field rates, readout in mV or IRE units.

310-004: Rechargeable battery pack provides up to 2 hours of operation. Note: instrument must be grounded at all times.

310-005: Fast charger for battery pack.

The Next Generation of Digital Oscilloscopes

Display Type	Advantages	Disadvantages
ANALOG REAL-TIME DISPLAY	Fast updating Intensity grading Displays complex waveforms	Blink and miss No storage Edge triggering only
DIGITAL STORAGE DISPLAY	Storage of waveforms Complex triggering	Misses details of complex waveforms Slow sample rates miss infrequent signals Slow updating
DIGITAL PHOSPHOR DISPLAY	ALL OF THE ADVANTAGES	NONE OF THE DISADVANTAGES

Cat. No.	Mfr. No./Description	Each
310-354	TDS3054 4ch 500MHz DPO	$9995.00
310-304	TDS3034 4ch 300MHz DPO	6595.00
310-314	TDS3014 4ch 100MHz DPO	4495.00
310-352	TDS3052 2ch 500MHz DPO	5995.00
310-332	TDS3032 2ch 300MHz DPO	3695.00
310-312	TDS3012 2ch 100MHz DPO	2995.00
310-004	TDS3BAT Optional Battery Pack	395.00
310-005	TDS3CHG Fast Charger	125.00
310-006	AC3000 Soft Carry Case	160.00
310-008	TDS3GM RS-232/GPIB Module	395.00
310-012	TDS3VM RS-232/VGA Module	395.00
310-007	RM3000 Rackmount Kit	295.00
310-039	TDS3TRG Advanced Trigger App Module	595.00
310-040	TSD3VID Extended Video Trigger	595.00
310-041	TDS3FFT FFT App Module	595.00
310-942	WSTRO Win95/NT Software	319.00

Specifications	TDS3012 310-312	TDS3032 310-332	TDS3052 310-352	TDS3014 310-314	TDS3034 310-304	TDS3054 310-354
Bandwidth	100MHz	300MHz	500MHz	100MHz	300MHz	500MHz
Channels	2	2	2	4	4	4
Sample Rate	1.25GS/s	2.5GS/s	5GS/s	1.25GS/s	2.5GS/s	5GS/s
Record Length	10K points					
Triggers	Edge, video (logic and pulse reqs. TDSTRG option)			Edge, video, logic, pulse		
Measurements	Period, freq, width, rise/fall time, duty cycle, overshoot, hi/lo, min/max, Pk-Pk, amplitude, mean, cycle mean, RMS, cycle RMS, burst width			and FFT		

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

TDS 200 Digital Real-Time Scopes

- Analog ease-of-use
- Low cost
- Small footprint

No other digital scope offers as much bandwidth and sample rate for the price. Digital storage technology supports features not available on analog oscilloscopes, including automatic measurements, peak detect, storage of two reference waveforms, five front panel set-ups, and autoset, which automatically sets vertical, horizontal and time-base. The high sample rate allows real-time (meaning accurate) acquisition of waveforms up to the full bandwidth of the scope.

The TDS 200 series is enhanced with plug in modules which add features and strengthen your troubleshooting productivity. These modules are very easy to install. Just plug them into the back of the scope and they're ready to go. The **Communications Module** gives your TDS 200 a Centronix printer port, RS-232 input/output and GPIB programmability. The **Measurement Module** adds fast fourier transform (FFT), risetime, falltime, positive and negative pulsewidth. It also includes all the ports in the communications module.

TDS 200 comes with two P6112 100MHz 10x passive probes, user manual, US power cord, and calibration certificate. 12 x 6 x 4 3/4", 3.25 lbs. Three year warranty. (USA)



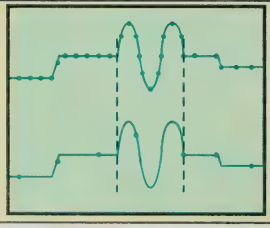
Features	TDS 210	TDS 220	TDS 224
Channels and Bandwidth	2 x 60MHz	2 x 100MHz	4 x 100MHz
Sample Rate per Channel	1 GS/s		
Record Length	2 x 2500 points		
Automatic Measurements	Period, frequency, cycle RMS, mean, peak-to-peak		
Waveform Math	Add, subtract, invert		
Acquisition Modes	Sample, average, peak detect		
Triggers	Edge, video (NTSC, PAL, SECAM) line or field		
Cursors	ΔT, 1/ΔT, ΔV		



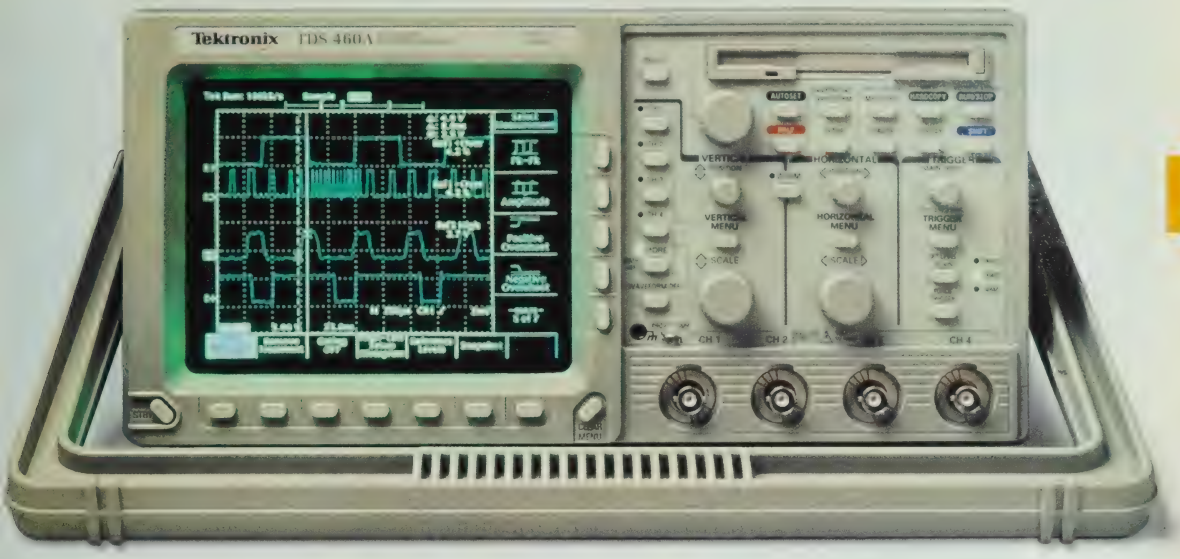
Module plugs into back of scope

Cat. No.	Mfr. No./Description	Each
310-210	TDS 210 Digital Real-Time Scope	$1195.00
310-220	TDS 220 Digital Real-Time Scope	1795.00
310-224	TDS 224 4Ch. Digital Real-Time Scope	2495.00
310-027	Communications Module	265.00
310-018	Measurement Module	495.00
310-026	Softside Carrying Case	69.00

Digital Real-Time Sampling



Tektronix TDS Scopes and TekScopes use Digital Real-Time Sampling to provide highly accurate waveforms and accurately capture fast single-shot events. By increasing the sampling rate to 5X the analog input bandwidth, the scopes can display non-repetitive waveforms up to their stated analog bandwidth without distortion. Equivalent-time sampling scopes have much lower sampling rates. They require stable and repetitive input signals and build a waveform by sampling over several trigger cycles. They cannot accurately capture single-shot events except when they are far slower than the analog bandwidth.



TDS 400 Personal Lab Digital Scopes

➥ Menu-driven for ease-of-use ➥ Lab precision

For those of you requiring lab precision and high-fidelity from your scopes, we offer the TDS 400 line. Powerful measurement features give you analysis and diagnostic abilities for design and maintenance of high-tech equipment. The TDS 400s are surprisingly simple to operate. The front panel is similar to old-style analog scopes for intuitive set-up and use, while CRT menus allow you access the rich set of automatic measurements and readouts available with digital power.

TDS 400s come with P6138A 10X passive probe (one per channel), reference manual, performance verification document, advanced math, RS-232 and Centronix interfaces, more memory, front panel cover, accessory pouch. 6.4 x 14.25 x 19.25", 22.5 lbs. Three year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
310-017	TDS 460AXL Digital Scope	$9875.00
310-016	TDS 420AXL Digital Scope	8615.00
310-015	TDS 430AXL Digital Scope	6765.00

FaxBack Inc.
602-453-2671
Want more technical information? Try our 24 hour/7day automated FaxBack® System.

Features	TDS 430AXL	TDS 420AXL	TDS 460AXL
Bandwidth/Channels	2 x 400MHz	4 x 200MHz	4 x 400MHz
Sample Rate	100MS/s		
Record Length	120K points		
Vertical Resolution	8 bit; >11 bits with averaging and Hi-Res mode		
Trigger Types	Edge, init 50%, video (NTSC, PAL, SECAM line or field), external		
Automatic Measurements	Period, frequency, high, low, ±width, max/min, rise/fall, peak-to-peak, amplitude, ±duty cycle, ±overshoot, propagation delay, burst width, mean, cycle mean, RMS, cycle RMS, area, cycle area, phase		
Waveform Math	Add, subtract, multiply, FFT, integration, differentiation		
3½" Floppy	✓	✓	✓
VGA Output	✓	✓	✓

Enhance Your TDS 400 with These Accessories

Transit Case is a custom-designed foam-filled hard shell case for shipment of scopes and accessories.

WaveStar Software stores and manages waveforms on PC.

Cat. No.	Description	Each
356-750F	Transit Case (see page 90)	$410.00
310-941	WaveStar Software (see page 90)	395.00

See page 90 for replacement and accessory probes

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Replacement and Accessory Probes for Tek Scopes







Probe Type	TDS 200 Scopes	TDS3012/3014	TDS303X/305X	TDS 400 Scopes	THS 700 Scopes
Passive X10	P6112 100MHz	P3010 100MHz	P6139A 500MHz	P6138A 400MHz	P6117 200MHz
Passive X1/X10 Switchable	P6129B 10MHz/100MHz				
High Voltage X100	P5100 250MHz 2.5kV				P5102* 100MHz 1kVAC
Differential High Voltage	P5200 25MHz 1.3kV diff DC + AC max				n/a
Current AC/DC	A622 DC-100kHz 100A 11.8mm				A622

= Included with Scope

*Standard with THS 720P only (see page 86)

Cat. No.	Mfr. No.	Each
310-024	P6112	$85.00
310-109	P6109B	120.00
310-030	P6129B	165.00
310-631	P6138A	249.00

Cat. No.	Mfr. No.	Each
310-777	P5100	$250.00
310-102	P5102	250.00
310-520	P5200	499.00
310-301	P3010 TDS3000 Repl.	110.00

Cat. No.	Mfr. No.	Each
310-022	P6117	$120.00
310-655	A622	495.00
310-010	P6139A TDS3000 Repl.	295.00



Laptop and Scope not included

Bench Turntable

Equipment sold separately



- Share test equipment
- Service equipment faster

Strong turntable can be easily used to share test equipment between benches or to access equipment being tested. 1/2" thick laminated base rests on ball bearing mount (does not lock). (USA)

Cat. No.	Description	Each
767-509	Bench Turntable, 24" dia.	$71.00
767-093	Bench Turntable, 16" dia.	55.00

WaveStar Scope Software

Inputs, publishes, and archives simple waveforms from all Tek storage scopes with data output. Imports data into hundreds of DOS or Windows programs for graphing, analysis or publishing. Prints direct to printer or plotter. You may also output waveform setups from WaveStar to the scope. 3 1/2 and 5 1/4" diskettes. Intel-based PC running DOS 3.2 and up. (USA)

Cat. No.	Description	Each
310-941	WaveStar Scope Software	$395.00

Scope Transit Case

Extremely rugged foam-filled case for safe transport of scopes and accessories. O-ringed for tight seal. Wheels and retractable handle for easy movement. ATA 300 category I certified for airline transport. Two-inch thick foam layers easily cut to accommodate any configuration. 30 x 25 x 15". Lifetime warranty on latches. (USA)

Cat. No.	Description	Each
356-750F	Scope Transit Case	$410.00



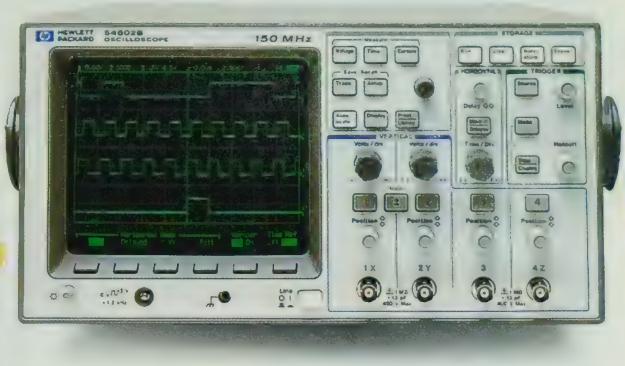
Scope sold separately

HP Oscilloscopes

➥ **Analog look and feel** ➥ **Add on modules**
➥ **Automatic and cursor measurements**

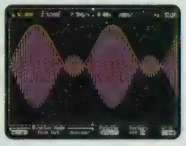
Designed for general purpose use and troubleshooting the HP 54600 family of scopes has something to offer everyone. Familiar controls and interactive displays are easy to use. Digital storage provides powerful measurements and outstanding waveform analysis. Each HP scope is engineered to exacting standards of accuracy and durability.

There are seven models to choose from that best meet your needs. Dual channel 100MHz up to 500MHz color display models are available. 12.7 x 6.8 x 12.5", 14 lbs. Three year warranty.



Cat. No.	Mfr. No./Description	Each
400-001	54600B Oscilloscope	$2550.00
400-002	54602B Oscilloscope	3295.00
400-003	54610B Oscilloscope	4995.00
400-004	54615B Oscilloscope	5695.00
400-005	54616B Oscilloscope	6695.00
400-006	54616C Color Oscilloscope	7695.00
400-007	54645A Oscilloscope	3495.00
400-014	Measurement/Connectivity Kit for RS-232	695.00

Specifications	54600B	54602B	54610B	54615B	54616B	54616C(Color)	54645A
Bandwidth Ch. 1 & 2	100MHz	150MHz 100MHz <5mV/div	500MHz	500MHz			100MHz 75MHz <5mV/div
Ch 3 & 4		250MHz					
Sample Rate	20MS/s	20MS/s	20MS/s	1 GS/s	2 GS/s		200MS/s
Record Length	4000	4000	4000	5000	2000		1Meg w/MegaZoom
Maximum Input	400V	400V	250V	250V			400V
Triggering	Ch. 1 & 2, line, ext. video	Ch 1-4, line, video	Ch. 1 & 2, line, ext. video	Ch. 1 & 2, line, ext. video			Ch. 1 & 2, line, ext. video
Measurements	Voltage: average, RMS, pk-pk, top, base, min, max. Time: freq, period, ±width, duty cycle, rise & fall.						
Setups	15 front panel setups						10 front panel setups
Screen memory	2 volatile						
Includes	Two 1.5 meter 10X probes, operating and service guide						



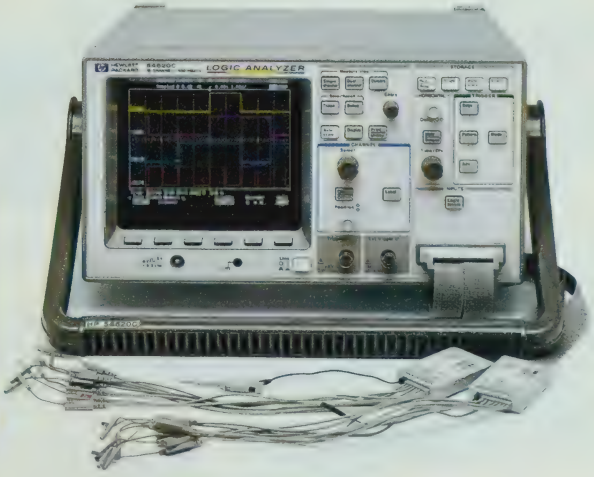
The color display in the **54616C** helps you compare signals and highlight important details.

Logic Analyzers

➥ **Simple, intuitive operation like a scope**

HP54620 A/C represent a whole new way of looking at logic analysis. They combine the essentials of timing analysis with the intuitive feel of a scope.

500 MSa/s sampling catches the nastiest glitches. The color display in the **HP54620C** makes analysis even easier with automatic measurements of frequency, period, duty cycle, width, delay and hold time. 100-240VAC, 45-440Hz. 15 lbs. Three year warranty.



Timing channels	16 numbered 0–15 (all simultaneous)
Timebase Range (main and delayed)	5 ns/div to 1 s/div (main and delayed)
Maximum Sample Rate	500 MSa/s
Record Length	2 k for sample period ≥8 ns (sweep speeds of 1 µs/div to 1 s/div), 8 k for all other sweep speeds, and when auto glitch is disabled
Modes	Edge, pattern, advanced (2 pattern and edge terms); Advanced operators: And, Or, Then, Entered, Exited, Duration (< >) time, Occurs N times

Cat. No.	Mfr. No./Description	Each
400-028	HP54620A 16 Channel Logic Analyzer	$3095.00
400-029	HP54620C Color 16 Channel Logic Analyzer	4095.00
400-021	Front Panel Cover & Accessories Pouch	52.00

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HITACHI

Easy Operation Analog O'Scope

➥ Fast measurements with cursors ➥ Simple interface

Solid basic analog oscilloscopes with two input channels and one external trigger input. Provides the fundamentals in waveform analysis, easy operation, quality, reliability, and performance. Microprocessor controlled trigger lock provides stable locks on even complex waveforms after hold off time adjustment. Autoranging sweep times optimize displayed wave-form. The Hitachi scopes come with two probes with 1.5 meter leads and operations manual. 10.8 x 5.1 x 14.1", 13.2 lbs. Three year warranty. (Japan)

Specifications	VC-1565	VC-695
Bandwidth/Channels	100MHz/2	60MHz/2
Max sweep rate/division	5nS	5nS
Max sensitivity/division	2mV	2mV
Trigger modes	Auto, Norm, TV-V, TV-H, Single	
Delayed sweep	x	x
Cursor measurements	ΔV, ΔT, 1/ΔT	

Cat. No.	Mfr. No./Description	Each
198-565	VC-1565 O'Scope, 100MHz	$1795.00
198-695	VC-695 O'Scope, 60MHz	1550.00



Basic Low Cost Analog O'Scope

➥ Electronics repair ➥ Students and teachers ➥ Dual channel

Solidly built workhorses which provide all the basic test functions with an easy-to-use front panel and big, bright CRT. You get two channels, 1mV/DIV sensitivity, channel 1 output, TV synchronization, trigger level lock, ALT trigger, Z axis input, external trigger, hold-off and more.

The scopes have handles which are adjustable as tilt stands. They come with two 10X/1X switchable probes and user manual. Operate on 100-230VAC at 50/60Hz (switchable). 5.9 x 12.2 x 17.8", 3.75 lbs. One year warranty. (Taiwan)

Specifications	13-653	13-622
Channels and Bandwidth	2 x 50 MHz	2 x 20MHz
Vertical System: Sensitivity	1mV-2mV/DIV ±5%, 5mV-5V/DIV ±3%	
Rise Time	7nS	17.5nS
Signal delay line	Permits viewing leading edge of displayed waveform (13-653 only)	
Trigger Sources	CH1, CH2, ALT, LINE, EXT	
X/Y Operation (lissajous)	5mV-5V/DIV DC-1MHz	5mV-5V/DIV DC-2MHz
Z axis	Input impedance 5kΩ DC-5MHz above 3Vp-p	

Cat. No.	Description	Each
13-653	Analog O'scope, 50MHz	$850.00
13-622	Analog O'scope, 20MHz	475.00



13-181



13-303

DC Power Supplies

➥ Digital read-outs ➥ High output

Bench-top digital DC power supplies deliver high quality, clean power for your testing and design projects. Choose from single and triple output. Various voltage and current ranges available. One year warranty. (Taiwan)

Cat. No.	Description	Each
13-303	Single 30VDC Power Supply	$275.00
13-181	Single 18VDC Power Supply	412.00
13-030	Triple 2 x 30VDC & 1 x 5VDC	580.00

Other combinations available, call for pricing.



13-030

Specifications	13-303	13-181	13-030
Output channels	Single	Single	Triple 2 variable, 1 fixed 5V
Constant Voltage Operation	0-30V @ ≤ 0.01% regulation ≤ 0.5mV ripple & noise	0-18V @ ≤ 0.01% regulation ≤ 1mV ripple & noise	0-30V @ ≤ 0.01% regulation ≤ 1mV ripple & noise
Constant Current Operation	0-3A @ ≤ 0.2% regulation ≤ 3mA ripple	0-10A @ ≤ 0.2% regulation ≤ 3mA ripple	0-3A @ ≤ 0.2% regulation ≤ 3mA ripple
Meter(s)	Volts/Amps selectable		2 x Volts/Amps selectable
5V fixed output	n/a		0-3A ≤ 5mV regulation ≤ 2mA ripple
Power source	100-240VAC 50/60Hz		
Dimensions	5.7 x 5 x 11.2", 11 lbs		5.7 x 10 x 13", 25.3 lbs

Affordable Benchtop Power Supplies

- Never overheats, even at max rated loads
- Protects itself and connected equipment from overload
- High power model available

These designs sustain their maximum rated output for extended periods. Even the high power **1688** can generate 20 amps at 14 volts hour after hour without overheating. Current limiting, short circuit, reverse polarity and overvoltage protection. For precise accuracy and adjustability in engineering and technical troubleshooting, the **1735** or the **1760** are the best choice. For raw power, hour after hour, when precision is less important, order the **1686** or **1688**.



33-760

Cat. No.	Mfr. No./Description	Each
33-735	1735 Benchtop Power Supply	$389.00
33-760	1760 Benchtop Power Supply	650.00
33-686	1686 Benchtop Power Supply	199.00
33-293	1688 Benchtop Power Supply	299.00

Features	1735	1760	1686	1688
Output Voltage	0-30V	0-30x2 4-6.5Vx1	3-14V	3-14V
Output Current	0-3A	0-2Ax2 0-5Ax1	2.5A-12.0A	4.5A-20.0A
Regulation Volts	≤0.01%+3mV	≤0.01%+3mV	≤0.8%	≤0.8%
Regulation Amps	≤0.2%+3mA	≤0.2%+3mA	≤0.8%	≤0.8%
Power	115VAC	115VAC	115/230VAC	115/230VAC
Requirements	60Hz	60Hz	50/60Hz	50/60Hz
Dimensions	6.2 x 5.5 x 12.5"	5.7 x 10.5 x 15"	5.5 x 5.9 x 12"	5.5 x 5.9 x 12"
Weight	8 lbs.	21 lbs.	12.1 lbs.	19.8 lbs.
Country of Origin	Made in USA		Made in Hong Kong	

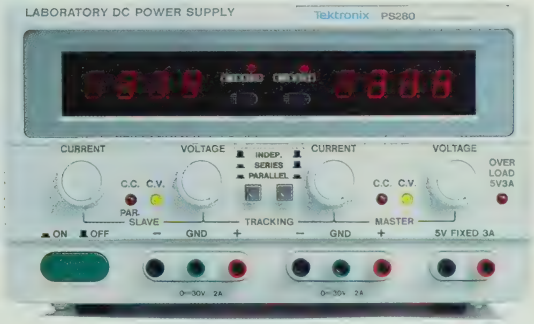


33-293

Tektronix

Triple Output DC Power Supplies

Two outputs can be operated independently, in series or parallel. Variable voltage and current. DC ripple <1mV. Includes leads, manual, and power cord. One year warranty. (Taiwan)



Cat. No.	Mfr. No./Description	Each
310-381	PS280 Power Supply	$725.00
310-658	CPS250 Power Supply	495.00
310-047	PS2520G Power Supply, GPIB	1395.00
310-048	PS2521G Power Supply, GPIB	1395.00

Specs	CPS250	PS280	PS2520G	PS2521G
Outputs	2 x 0-20V 0-0.5A 2 x 0-36V 0-1.5A	1 x 5V 2A 1 x 0-6V 3A	2 x 0-30V 0-2.0A 2 x 0-20V 0-2.5A	1 x 5V 3A 1 x 0-6V 0-A

64VDC Power Supply

- Perfect for telecom industry
- 10A of clean power

A cost effective high power DC power supply which outputs 64 volts at 10 amps with a highly stable regulation of ±0.01%. Ripple and noise are limited to 4mA rms. This is perfect for the telecommunications industry or whenever high power clean DC is required. Special features include the ability to set constant current with no load and remote sense to compensate for wire voltage drop. Constant voltage or constant current operation. Separate switch operates output. 19 x 5.25 x 15.75", 64 lbs. 115VAC operation. Two year warranty.

Output		0~64VDC @ 0~10amps
CV Mode	Regulation	±0.01% ±2mV
	Ripple & noise	1mV rms
CC Mode	Regulation	±0.05% ±10mA
	Ripple & noise	4mA rms
Stability	CV	±0.2% ±10mV
	CC	±0.5% ±10mA

BK PRECISION



Cat. No.	Mfr. No./Description	Each
33-791	1791 DC Power Supply	$1350.00

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Agilent Technologies

Power Supplies



400-060 has dual voltage and current meters. 6V supply is isolated from the two 25V supplies. 5.2 x 8.4 x 14.2". 18 lbs.

400-061 delivers a full 120W with low noise and 0.01% accurate regulation. 5.2 x 8.4 x 13.7". 21 lbs.

Three year warranty.

HP E3631A Triple Output				HP E3632A Single Output
DC Power Supply	1	2	3	DC Power Supply
DC outputs				
Voltage	0 to +25V	0 to -25V	0 to 6V	0 to +15V, 7A
Current	0 to 1A	0 to 1A	0 to 5A	0 to +30V, 4A

Cat. No.	Mfr. No./Description	Each
400-060	HP E3631A Triple Output Programmable Power Supply	$1095.00
400-061	HP E3632A Single Output Programmable Power Supply	995.00

DC Power Supplies

Agilent Technologies

Provides clean power with dependable regulation and fast transient response. Load and line regulation is 0.01% + 2 mV. Three year warranty.

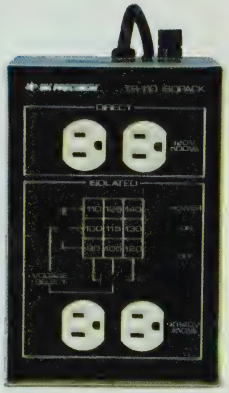


HP E3600 Series DC Power Supplies				
	HP E3610A	HP E3614A	HP E3615A	HP E3630A
Number of outputs	1	1	1	3
Output (max. voltage, current)	8V, 3A or 15V, 2A	8V, 6A	20V, 3A	+6V, 2.5A +20V, 0.5A -20V, 0.5A
Size	3.6 x 8.4 x 12.6"	3.6 x 8.4 x 15.8"		3.6 x 8.4 x 12.6"

Cat. No.	Mfr. No./Description	Each
400-051	HP E3610A Power Supply	$310.00
400-054	HP E3614A Power Supply	525.00
400-055	HP E3615A Power Supply	525.00
400-059	HP E3630A Power Supply	525.00

BK PRECISION

Benchtop Isolated AC Power Supplies



➥ Safely troubleshoot floating-ground equipment

33-110 offers a direct and isolated duplex jack. It operates on 105~130VAC 60Hz and outputs 500VA continuous on the direct outlet. 350VA on the isolated outlet. The isolated side has two 3-position switches offering nine output voltage levels from 90~140VAC on 120VAC nominal input. 5.1 x 5.5 x 8", 11 lbs. UL listed.

33-604 is simply a single outlet isolation transformer for use with equipment requiring independent grounding. Leakage is less than 0.1mA. Handles loads of 1.25A continuous and 2A intermittent. Operates on 120VAC 60Hz. 4 x 4 x 5.25", 6 lbs. Overload protection.

Cat. No.	Description	Each
33-110	Dual Adjustable Output Isolation Power Supply	$225.00
33-604	Isolation Transformer	120.00

STACO INCORPORATED

Variable Transformers



Operating on 115VAC line voltage, coil tapping arrangement allows output voltage from 0 to full line voltage or 17% above. Rated output, constant current, 10A for constant impedance output at line voltage, rated output is 13A. Operates from 60-1500Hz with no reduction in output current; slight reduction in current from 1500-2000Hz. AC voltmeter with 3% full scale accuracy. Non-isolated. Ventilated steel case, three wire cord, receptacle, switch, pilot light fuse. 7.5 x 5 x 5.5". One year manufacturer's warranty. (USA)

Cat. No.	Description	Each
282-010	Variable Transformer w/Meter	$365.00
282-333	Variable Transformer w/o Meter	219.00



BK PRECISION

Programmable Power Supplies

➥ Nine pre-set outputs ➥ Serial interface and software included

These power supplies offer a new level of ease-of-use and programmable functionality in a high-value product. Direct key-in entry makes voltage and current selection fast, accurate and easy. User programmed outputs allow the operator to preset up to nine frequently used voltages and current settings into memory for quick recall with just the press of two buttons. Pre-program a 10 step output routine via the keypad or PC interface, for automated testing in pre-production, production, R & D environments, or troubleshooting. In-case calibration allows for simple, cost-saving, uninterrupted operation. Operates on 115VAC. Two year warranty.

Specifications	1785	1786	1787
Voltage	0~18VDC	0~30VDC	0~60VDC
Current	5A	3A	1.5A
Ripple & noise	1mV		
Regulation	0.02%		

Cat. No.	Mfr. No./Description	Each
33-787	1787 Programmable Power Supply	$375.00
33-786	1786 Programmable Power Supply	375.00
33-785	1785 Programmable Power Supply	375.00

Function Generators and Sweep/Function Generators

BK PRECISION

- Three models with 5 - 20MHz operation
- Sine, square, triangle and pulse outputs
- LED frequency display

The quality and performance users have come to expect from professional bench equipment. All models include built-in frequency counters to accurately set and display output frequencies and provide TTL and variable 4-14.5V CMOS outputs and variable duty cycle. Coarse and fine tuning controls provide precise output settings and output 20V p-p open circuit and 10V p-p into 50Ohms. Units will accept Voltage Controlled Generator (VCG) input for external FM modulation or external sweep operations. Operates on 115VAC/230VAC, 50/60Hz (internal jumper selectable). Units include hookup cable and instruction manual. 10.4 x 5.4 x 11.5", 4 lbs. (Model 4040: 4.5 lbs.). One year manufacturer's warranty. (USA)



Cat. No.	Mfr. No./Description	Each
33-404	4040 Sweep/Function Generator and Counter	$545.00
33-017	4017 Sweep/Function Generator	399.00
33-011	4011 Function Generator	315.00

Features	4040	4017	4011
Frequencies Out	0.02Hz-5MHz-20MHz	0.1Hz-10MHz	0.5Hz-5MHz
Output Waveforms	TTL Pulse CMOS Pulse	TTL Pulse CMOS Pulse	TTL Pulse CMOS Pulse
Sweeps/Rate	Lin/Log / 0.5-30 sec.	Lin/Log / 0.5sec-30sec	VCG Only
Modulation	Int./Ext., AM; Ext. FM	Ext. FM	No
Frequency	Five Digit LED	Five Digit LED	Four Digit
Counter	5Hz-30MHz	Internal Only	Internal Only
Sensitivity	20mVrms		
Time Base Accuracy	±10ppm	±10ppm	±10ppm

Function Generators

Agilent Technologies

Provides arbitrary waveforms for the first time in this price range. 100V/120V/220V/240V. 4.1 x 10.0 x 14.8". 8.8 lbs. Three year warranty. (USA)

HP 33120A Function/Arbitrary Waveform Generator	
Waveforms Standard	100 µHz~15MHz Sine, square, triangle, ramp, noise, sin(x)/x, exponential rise and fall, cardiac, dc volts
Arbitrary Waveform Length	8 to 16,000 points
Nonvolatile Memory	Four waveforms
Amplitude Resolution	12 bits
Sample Rate	40 MSa/s



Cat. No.	Mfr. No./Description	Each
400-042	HP 33120A Function/ARB Generator	$1795.00
400-043	HP 33120A Function Generator w/ Optional A PLL TCXO Timebase	2198.00

Arbitrary Waveform Generator

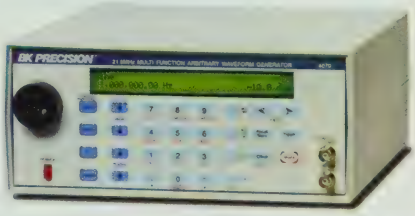
BK PRECISION

- Affordably priced
- Upgradable Flash memory
- Download custom or captured waveforms

The finest single source for signal generation for communications, radio, telephony, analog/digital circuit design and troubleshooting. The latest DSP and DSS technologies, offering a number of operating modes: Sine/square wave, linear/log sweep, AM, FM, PM, SSB, BPSK, FSK, burst, DTMF generation/detection, power measurement, arbitrary, function generator, digital pulse generator. Fully capable function generator with excellent flexibility.

The real power comes from being able to generate arbitrary waveforms. Any shape, any complexity can be reproduced up to its maximum frequency response. Create waveforms on a PC, take them from storage scopes or from any source. Generator accepts data in a simple delimited format without headers or protocols, so loading a waveform from almost any source is easy. Use the front panel to quickly program in simple waveforms.

Generates every data point independently of the repetition rate, unlike models which use a simple look-up table. Lookup tables can skip points as repetition rates increase. An independent TTL/CMOS output lets you generate an arbitrary digital pulse train along with your analog waveform. This output swings from 0 to +5V and will directly drive logic. 5.1 x 9.3 x 10.2", 3.5 lbs.



Bandwidth	DC ~ 20.1MHz
Freq. Resolution	01 Hz
Arbitrary waveform	32K points
40 Msamples/sec	X
RS232	X
Output level	4mV ~ 10V p-p

Cat. No.	Mfr. No./Description	Each
33-407	4070 Arbitrary Waveform Generator	$1495.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Agilent Technologies

6 1/2-Digit High Accuracy DMM

- Catch the details that slip past less accurate meters without paying more
- Up to 1,000 readings per second direct to HP-IB

For the price of a 5 1/2-digit DMM, you can now get the top-quality 6 1/2-digit HP 34401A.

Combines time-saving features with an easy-access user interface. One or two button presses give you a wide array of functions, from DC volts to frequency to dB and dBm. Advanced tests include limit checks that can drive a TTL output, min/max/avg readouts, and DC voltage ratios.

Standard Commands for Programmable Instruments (SCPI) as well as HP 3478A and Fluke 8840/8842A command languages are built in.

Cat. No.	Description	Each
400-031	HP 34401A Multimeter 6 1/2 Digits	$995.00

FaxBack 602-453-2671

Want more technical information? Try our 24 hour/7day automated FaxBack® System.

HP 34401A Multimeter		
Range	Resolution: 6 1/2 digits ± (% of reading)	Accuracy
dc voltage 100 mV-1000V	100nV	0.0035%
True rms ac voltage 100mV-750V	100nV	0.006%
Resistance 100Ω-100MΩ	100μΩ	0.01%
DC current	10 mA to 3 A ranges	
AC current	1 A to 3 A ranges	
Frequency and period	3 Hz (0.333 s) to 300 kHz (3.33 μs)	
Continuity	1,000 Ω range, threshold variable from 1 Ω to 1 kΩ	
Diode test	1 V range, 1 mA test current	
Math functions	Null, min/max/avg, dBm, dB, limit test	
Other features	Automatic reading hold, 512 readings storage, dcV-dcV ratio	
Power	100/120/220/240 V, 45–65 Hz, 360–440 Hz	
Net weight	6.5 lbs.	
Size	4.1 x 10.0 x 14.8"	
Warranty	Three years	



BK PRECISION

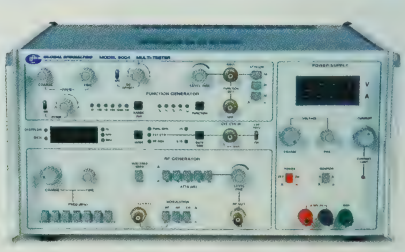
1 GHz Spectrum Analyzer

- Built-in tracking generator
- 80dB dynamic range
- Audio demodulator

Offers ranges from 150kHz to 1050MHz with an 80dB dynamic range (113dB with attenuation). AM and FM demodulation is built-in. 20 and 400kHz resolution bandwidths are selectable. Perfect for cable television level and frequency response testing. Test master antenna TV systems. Measure transmitter spurious radiation. Locate sources of electro-magnetic interference. Measure unwanted RF radiation.

Center frequency accuracy ±100kHz. Amplitude range: -100dBm ~ +13dBm. 50Ω input impedance with 0~40dB attenuation in 10dB steps. Tracking generator output levels -50dBm ~ +1dBm attenuated 0~40dB in 10dB steps. Output impedance is 50Ω with a frequency range of 100kHz to 500MHz. Operates on 90~260VAC 50/60Hz. 4.9 x 11.2 x 15", 13.2 lbs. one year warranty.

Cat. No.	Mfr. No./Description	Each
33-263	2630 1.050MHz Spectrum Analyzer	$2995.00



Four-in-One Multitester

- Saves bench space
- Saves money over separate instruments

Perfect for general purpose engineering, testing and repairing of a wide variety of equipment. With four popular bench instruments combined into a single unit, you save valuable benchtop space; and you can save money over purchasing individual instruments.

Includes an AM/FM RF signal generator with a range of 100kHz to 72MHz continuously variable; modulation frequency selectable 400Hz/1kHz; output amplitude is ≥200mV into 75Ω with attenuation up to 20dB; a five digit frequency counter with a range of 10Hz~100MHz which can read from the RF and function generators or external signals; a function generator which can output sine, square, triangle, pulse and ramps at 1Hz~1Mhz, 30V p-p with variable attenuation to 20 dB; and a DC power supply with a variable 0~30V output at 2 amps with 0.1% regulation and ≤5mV ripple. Three digit volt/amp meter built in. 14.2 x 7.5 x 14.7", 27 lbs. Operates on 115/230VAC 50/60Hz.

Cat. No.	Mfr. No./Description	Each
183-900	9004 Four-in-One Multitester	$995.00

BK PRECISION

Audio Generator

A battery powered portable audio frequency generator perfect for testing speakers and other audio equipment in the field or on the bench. The unit outputs sinusoidal and square waves via a low distortion R-C oscillator network with a bandwidth of 20Hz to 150kHz in 46 frequency steps. The output is continuously variable up to 1.2V sine and 5V square rms and it has a -20dB attenuator switch. THD for sine output is <0.5%. 600Ω output impedance. 9V battery included.



Cat. No.	Mfg. No./Description	Each
33-300	3001 Audio Generator	$79.00



Capacitance, Resistance and Inductance Substitution Boxes

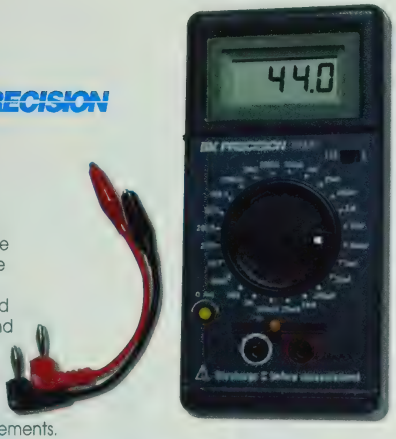
Direct reading, side-by-side thumbwheel switches are color-coded to separate ranges. Resistance switching is continuous, will not break circuit. Compact, portable, ruggedly built. **513-550** is a combination of the **513-300/200** in a single convenient package. It features a shorting link to allow both sections to be coupled, the resistance and capacitance may be used independently, in series, or in parallel. Inductance 1mH to 999mH with 2% tolerance. Resistance from 1Ω to 9,999,999Ω with 1% tolerance; 1/2 watt rating, capacitance from 100pF to 99.9999μF with 4% tolerance. Precision versions of above capacitance and resistance boxes are available with improved accuracy: resistance box 0.1%, capacitance box 1%.

Cat. No.	Description	Each
513-300	Capacitance Substitution Box	$149.00
513-200	Resistance Substitution Box	139.00
513-550	Combination Resistance/Capacitance Substitution Box	269.00
513-400	Inductance Substitution Box	449.00
513-301	Precision Capacitance Substitution Box	289.00
513-201	Precision Resistance Substitution Box	269.00
513-502	Precision Resistance/Capacitance Substitution Box	529.00

BK PRECISION

Low Ohm LCR Meter

The rugged 875B LCR meter is a reliable easy-to-use workhorse that will measure inductors, resistors and capacitors quickly and accurately. Utilizing special circuitry, the measurement more closely replicates true in-circuit measurements. It is overload protected and comes complete with test leads, manual, 9V battery and spare fuse. Measures 7" x 3.5" x 1.6" 14 oz.



	Specifications	
	Ranges	Accuracy
L Inductance	200.0μH	±2%
	2.000mH~200.0mH (3 ranges)	±1%
	2.000H~20.00H (2 ranges)	±2%
	200.0H	±3%
C Capacitance	200.0pf~200.0μf (7 ranges)	±1%
	2.000mf~20.00mf (2 ranges)	±2%
R Resistance	2.000Ω~200.0kΩ (6 ranges)	±1%
	2.000MΩ~20.00MΩ (2 ranges)	±2%

Cat. No.	Mfg. No./Description	Each
33-875	875B LCR Meter	$189.00



WAVETEK

Short Finder Brush

➥ **Fast continuity checks**

Finds electronic/electrical shorts quickly and out-performs point-to-point continuity testing. Three steps to short finding; connect the ground lead, sweep the brush over board, when you hear the beep use the probe to pinpoint short.

Use on printed circuit cards, multi-conductor cables, backplanes and more. Two AAA batteries installed. 8.4" x 1.3" x 1".

Cat. No.	Mfr. No./Description	Each
624-413	SF-10 Short Finder Brush	$39.95

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Digital Thermometers

- 0.2°F resolution
- Use K- or J-type thermocouples

Compact and handheld with accurate and repeatable measurements. Readout in °F or °C. Highest accuracy: ±(1% of reading +1.3°F). Reading hold button. Offset pot for field calibration of thermocouple-thermometer for increased accuracy.

317-520 is dual input and features differential measurement (T1-T2), scan mode (T1, T2, T1-T2), min/max data storage. Comes with two K-type thermocouple bead probes.

317-510 is single input without the above features, with a single probe. 9V battery included. 1.2 x 2.95 x 6.55". Three year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
317-520	Model 50D Thermometer (shown)	$139.00
317-510	Model 50S Thermometer	109.00
24 317-520-C	Model 50D w/Calibration Certificate	189.00
24 317-510-C	Model 50S w/Calibration Certificate	159.00
317-025	Optional Vinyl Case	17.00

For replacement batteries, see page 282

Jensen ships the Calibrated Meters with this symbol within 24 hours.

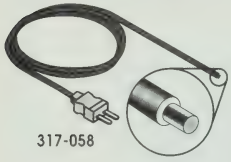


50 Series 2 Thermometers

- Now with twice the accuracy
- Datalogging available

Larger backlit displays, splash and dust resistant cases, overmolded rubber holsters, laboratory accuracies and datalogging are some of the new features. This gives you an easier to use, more rugged, and more precise instrument for field temperature measurements. They can use the ToolPak meter hanger. Each thermometer comes with one beaded probe per input, manual and 9V battery.

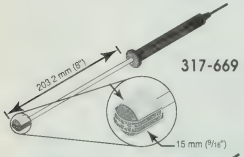
	54-2	53-2	52-2	51-2
Accuracy	±0.05%+0.5°F			
TC Types	K,J,T,E,N,R,S		K,J,T,E	
Time Stamp	✓	✓	✓	✓
Min/Ma3/Avg Recording	✓	✓	✓	✓
Differential Temp	✓		✓	
Datalogging	500 Points			
PC Interface	✓	✓		

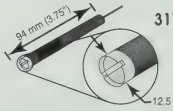


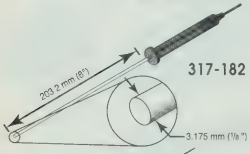
317-058

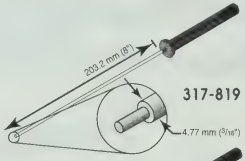
K-Thermocouple Optional Probes for 50 Series

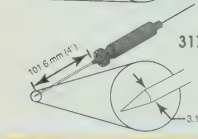
Terminated with a standard K-style (yellow) jack. For Fluke digital thermometers and thermometer.

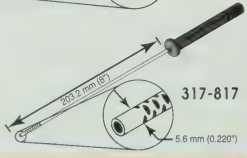








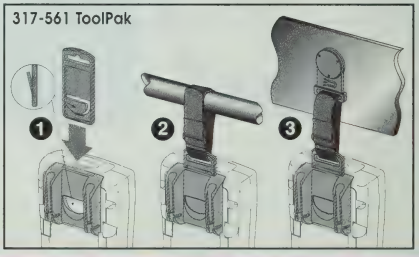




Cat. No.	Mfr. No./Description	Temp. Range	Each
317-058	80PK-1 Beaded Probe	-40 to 50°F	$13.00
317-182	80PK-2A for Liquids	-320 to 1994°F	47.00
317-183	80PK-3A for Surfaces	32 to 500°F	87.00
317-817	80PK-4A for Gases	-320 to 1500°F	64.00
317-680	80PK-5A for Food or Liquid	-320 to 1500°F	58.00
317-819	80PK-6A Extended Beaded Probe	-320 to 1500°F	65.00
317-669	80PK-7A Industrial Surface Probe	-320 to 1112°F	189.00

Enhance Your 50 Series 2 with ToolPak

ToolPak snaps onto the back of your Fluke 87-IV or 89-IV and provides a universal hanger, straps and magnet to hang your thermometer.



Cat. No.	Mfg No./Description	Each
317-504	54-2 Dual Input Thermometer w/Recording	$299.00
24 317-504-C	54-2 Dual Input Thermometer w/Calibration	349.00
317-530	53-2 Single Input Thermometer w/Recording	249.00
24 317-530-C	53-2 Single Input Thermometer w/Calibration	299.00
317-522	52-2 Dual Input Thermometer	219.00
24 317-522-C	52-2 Dual Input Thermometer w/Calibration	269.00
317-512	51-2 Single Input Thermometer	169.00
24 317-512-C	51-2 Single Input Thermometer w/Calibration	219.00
317-032	FlukeView Forms Software/Cable for 54-2 and 53-2	150.00
317-561	ToolPak Hanger	25.00

For replacement batteries, see page 282

QuickTemp Infrared Thermometer



- Easy-to-use, just point and read
- Laser-equipped for precise aim

Low cost way to take temperature measurements without having to touch the item being measured. Stand safely away from hot or moving parts while taking accurate (±1°) readings from 0-600°F up to a 30' distance. Lightweight and rugged, small enough to go into a tool kit or desk drawer. Complete with 9V battery. One year warranty. (USA)

Cat. No.	Description	Each
275-001	QuickTemp IR Thermometer	$120.00
275-002	QuickTemp IR Thermometer w/Laser	170.00

For replacement batteries, see page 282

Measure Temperatures Up to 50' Away



- Safe, no contact required
- Laser equipped for precise measurement

Accurately measures the temperature of any item without touching it, from distances of up to 50'. Measure items and processes while they are operating saving money and time. Measure very hot items without approaching or protective clothing. Choose the **laser sighted model** for more precise aiming.

Field of view is 2 angular degrees, giving you a target size of the distance in feet/30. Filters out ambient light, water vapor and CO_2 absorption. -20 to 2000°F ±1%. 9V battery included. One year warranty.

Cat. No.	Description	Each
275-100	IR Thermometer	$795.00
275-105	IR Thermometer with Laser	895.00

For replacement batteries, see page 282

EXTECH INSTRUMENTS

Digital Light Meter



- Enhanced accuracy with selectable lighting type
- RS-232 serial interface

The heavy-duty light meter provides professional quality measurement. Large, easy to read 1.4" LCD display (1999 count) operates in Foot Candles or Lux over three ranges (FC 200.0, 2000, 5000; LUX 2000, 20000, 50000). ± 4% accuracy is enhanced by selecting lighting type of tungsten, fluorescent, daylight or mercury. Additional features include record/recall MIN, MAX and AVG readings; data hold; auto shut-off and RS-232 serial interface. Complete with 9V battery and rubber holster. 7 x 2.9 x 1.3", 2.25 lbs. One year warranty.

Cat. No.	Description	Each
608-537	Digital Light Meter	$169.00
608-533	Data Acquisition Cable and Program (DOS)	69.00
608-532	AC Adapter	17.00
608-531	Soft Carrying Case	19.00

For replacement batteries, see page 282

EXTECH INSTRUMENTS

Humidity and Temperature Meter



- Relative humidity with switchable °C/°F
- Analog output for chart recording

10 to 95% RH range, 0.1% resolution and ±3% accuracy. Temperature measurement -4 to 140°F (-20 to 60°C) with a 1.5°F accuracy. 10mV/1%RH, 1°C or 1°F analog output.

Complete with carrying case and 9V battery. One year warranty. 10.6 x 2.7 x 1.0", 8 oz.

Cat. No.	Description	Each
608-770	Humidity and Temperature Meter	$159.00

For replacement batteries, see page 282

Sound Level Meter



- Easily calibrated
- Available with Calibration Certificate

Perfect for testing sound levels to OSHA's requirements. Large display has a resolution of 0.1 dB. Offers A and C dB frequency weighting, fast or slow response, AC or DC output and peak hold. Covers 30-130 dB with an accuracy of ±1.5 dB. Can be easily calibrated with internal oscillator. Includes fold-out tripod stand, carrying case, calibration tool and instructions. One year warranty.

Cat. No.	Description	Each
276-029	Sound Level Meter	$262.00
276-029-C	Sound Level Meter w/Calibration Certificate	286.00

Engine EAR Electronic Listening Tool



Amplifies sound while shutting out surrounding noise. Pinpoints worn bearings, faulty valves, loose linkage, hundreds of other problems.

Features a super sensitive microphone in the tip of a 9" flexible coated probe, padded ear muffs, volume control, and an LED light that signals when unit is on. Includes 9V battery and foam-padded ABS case. One year warranty.

Cat. No.	Description	Each
891-650	Electronic Listening Tool	$99.00

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Documenting Process Calibrators 740 Series

Handheld tools for calibration and troubleshooting of process control instrumentation. Calibrate temperature, pressure, voltage, current and frequency. Measure and source simultaneously. Document procedures to meet ISO, EPA, FDA, OSHA and other government requirements. Ruggedly constructed, moisture and dust resistant cases. Unaffected by vibration. Operates at temperatures from -10º to 50ºC. High visibility yellow over molded case.

The 740 series feature a simple front panel, with an easy-to-use menu system and dedicated keys. Operates in English, French, German, Italian and Spanish. Store 8,000 readings (743B and 744). Optional DPC/TRACK software for I/O of data and procedures (743B and 744).

Four built-in procedures, linear transmitters, square-root devices, one and two point limit switches, user entered values to capture readings measured and sourced by other devices, custom units, optional shunt to support mA/mA applications.

The 744 integrates HART instrument protocols. Allows you to monitor, control and program HART compliant instruments. It handles fast pulsed RTD transmitters and PLCs, with pulses as short as 1ms.

Each 740 series calibrator comes with TL24 industrial test leads, two sets of AC20 alligator clips, one set of TP20 test probes, a battery pack, battery charger, and instruction manual. The 743B includes a serial port cable and a DPC/TRACK sample, including complementary upload/export utility software. The 744 includes an HART cable. Spare battery packs can be purchased and the battery can be replaced via snap-shut door, no tools required. Three-year warranty. Calibration certificate included. (USA)

Cat. No.	Mfg. No./Description	Each
317-744	744 Documenting Calibrator w/HART	$4995.00
317-743	743B Documenting Calibrator	3995.00
317-741	741B Documenting Calibrator	2995.00

- Store & download thousands of readings
- Factory maintenance is now easier
- Three year warranty
- Built to take punishing industrial environments

Function	741B	743B	744
Measure			
Vdc		300.00V ±0.025%	
Vac true-rms		300.00V ±0.5%	
Ohms		11.000 kΩ ±0.05%	
A dc		110.00mA ±0.01	
Frequency		50.000 kHz ±0.05	
Pressure	x*	x*	x*
RTD Types/ TC types	8/11	8/11	8/11
Source/Simulate			
V dc		15V ±0.01%	
Ohms		11 k ±0.01%	
mA dc		22mA ±0.01%	
mA Auto Step/Ramp		x	
Frequency		50 kHz ±0.01%	
RTD Types/TC types		8/11	
Record			
Min/Max	x	x	x
Hold			
As found/As left	x	x	x
Log Data		x	x
Upload		x	x
Features			
24V Loop Supply	x	x	x
HART Comm.			x

*Call for optional pressure adapters

Calibrators

705 Loop Calibrator

Simple loop calibrator with feature rich. Large display and simple pushbutton interface are easy to use. Simultaneous mA and % readout for quick interpretation of readings. Push button 25% steps for fast linearity checks. Span check for fast confirmation of zero and span. Slow ramp, fast ramp and step to provide smooth outputs for calve slewing and loop functional tests. 24 volt internal loop supply, so you can power and read a transmitter at the same time without carrying a DMM. 0-20mA or 4-20mA default start up modes. Includes rugged rubber holster, TL75 test leads, AC70 test clips and user manual.

725 Multifunction Calibrator

Versatile, easy-to-use. Use the measure and source functions to test and calibrate almost anything. Its small, streamlined shape makes it easy to carry. A rugged, reliable design stands up to rough factory environments. The dual display lets you view input and output simultaneously. Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors and transmitters. Source and simulate volts, mA, thermocouples, RTDs, frequency, ohms and pressure to calibrate transmitters. The 725 includes TL75 test leads, AC70 test clips, one pair of stackable test leads and user manual.

787 ProcessMeter

A popular choice for field engineers. Complete DMM and loop calibrator in one compact package. Fluke ruggedness of design and ease of use are also combined in this instrument. Large digit display with analog bar graph and back light make reading easy in all light conditions. The DMM section is a precision 1000V, 440mA multimeter. The calibrator section measures current to 30mA and sources to 24mA into 500ΩDisplays current and % of span with auto step and auto ramp. Meets IEC 1010 Cat III standards. Includes protective yellow holster with tilt stand built-in, TL75 test leads, AC70A alligator clips and user manual.

Measure/Source	Range/Type	Accuracy
Volts	0.00mV~10.00V source 0.00mV~30.00V measure	0.02%
mA	0.000mA~24.000mA	0.025
mV (TC terminals)	-10.00~75.00Mv	0.025%
Ohms	0.00Ω~3200.0Ω	0.1~1.0Ω
Freq	2.0~1000.0 CMP 1~1100Hz 1.0~10.0kHz	±0.05% ±0.05% ±0.25%
Loop Supply	24V	10%

	705	787
Voltage measurement	0.000~28.000VDC @ 0.025%	0.0~1000VAC/DC @ 0.1%
Current Measurement	0.000~24.000mA @ 0.02%	0.000mA~1.0A @ 0.05%(mA)
Current Sourcing	0-20mA/4-20mA @ 0.025%	0-20mA/4-20mA @ 0.05% span
Resistance Measurements	n/a	to 40MΩ @ 0.2%
Frequency	n/a	to 19.999kHz @ 0.005%

Cat. No.	Mfg. No./Description	Each
317-705	705 Loop Calibrator	$449.00
317-725	725 Multifunction calibrator	1795.00
317-308	787 ProcessMeter	495.00



705
Loop
Calibrator
317-705



725
Multifunction
Calibrator
317-725



787
ProcessMeter
317-308

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Fax Lines: 800-366-9662 • 602-438-1690



744-200



744-250

Fast, Easy Electronics Troubleshooting

- Minimal electronics training needed
- Troubleshoot in circuit with power off
- Replaces a bench-full of equipment

The Trackers inject a precisely controlled sine wave test voltage into the component under test. The CRT displays current over voltage; a signature. Each component has its own unique signature and a failed component's signature is easily recognizable after only a little training. You can even compare to known good components.

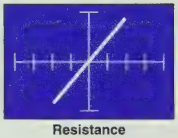
Trackers let you troubleshoot without turning on power, which is safer and precludes further damage. By limiting the current and voltage applied, the Trackers do not cause damage to good components, no matter how sensitive they are.

Trackers work on all types of electronic components from power transistors and power supply capacitors down to the newest IC chips. Since it is visually oriented and very safe to operate, technicians with almost no electronics training can troubleshoot the most complex circuit boards, without a schematic.

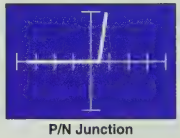


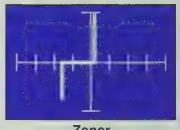
744-400

Cat. No.	Mfr. No./Description	Each
744-400	Tracker 4000	$3995.00
744-250	Tracker 2500	2495.00
744-200	Tracker 2000	1895.00


Resistance


Capacitance/Inductance


P/N Junction


Zener

Outputs	Tracker 2000		Tracker 2500		Tracker 4000	
Max Low	Voltage 20Vp-p	Current 135mA	Voltage 200mVp-p	Current 150µA-20mA	Voltage 200mV-800mV in 200mV steps. 1-20V in 1V steps	Current 16 selections from 2A-2µA
Medium	30Vp-p	9.0mA	2Vp-p			
Medium 2	40Vp-p	600µA	5Vp-p			
High	120Vp-p	600µA	10Vp-p			
High 2			15Vp-p			
Frequency	60/400/2kHz		20/50/60/200/2kHz		36 selections from 20-5kHz	
Additional features	Interfaces with DSI700. Can fire gated devices		Tests low voltage logic and high value capacitors. Interfaces with DSI700		Dual CRTs for comparison to known good. Over 6000 V, current, freq combinations. STAR limits volt/amps. Interfaces with DSI700	

Model 88 Deluxe Automotive Multimeter



A rugged and durable addition to your toolbox. Case is sealed against moisture and is chemical resistant. The rubber holster protects it against drops. Along with the usual meter functions, the Model 88 adds millisecond pulsewidth measurements, RPM measurements, Min/max/average recording, frequency and duty cycle, smoothing, and a bright backlit display. Comes with 9V battery, inductive pickup, hardshell case, test leads and wide mouth alligator clips. Lifetime warranty.

DC Voltage	400.0mV ~ 1000V @ ±0.15%
AC Voltage	400.0mV ~ 1000V @ ±1.5%
AC/DC Current	40.00mA ~ 10.00A @ ±0.8%
Ohms	400.0Ω ~ 40.00MΩ @ ±0.2%
Frequency	199.99Hz ~ 199.99kHz @ ±0.01%

Cat. No.	Mfr. No./Description	Each
317-888	Model 88 Automotive Multimeter	$479.00
24 317-888-C	Model 88 w/Certificate of Calibration	529.00

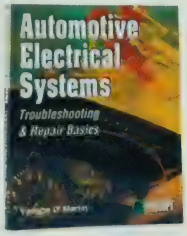
For replacement batteries, see page 282



Quick & Easy Short & Open Tracing

See page 178

Automotive Electrical Systems Troubleshooting & Repair Basics



- Ideal supplement for your Digital Multimeter & Digital Storage Scope

Good for the beginner and experienced technician. Walks you through the reading of repair schematics which are vastly different on automobiles than on traditional electronics devices. The book stresses electronic test instruments such as the DMM and DSO over the more traditional approach to automotive systems, focusing on troubleshooting and repair techniques along with how to interpret your test instruments results. Includes topics on automotive sensors, charging, lighting and cooling systems, and the car's computer. 243 pgs.

Cat. No.	Description	Each
128-007	Automotive Electrical Systems Troubleshooting & Repair Basics	$29.95

Model 78 Automotive Multimeter



- Dwell, RPM and temperature
- Rugged construction

Combines the standard functions of a multimeter with exclusive automotive measurements to speed your trouble-shooting. Measures frequency of pulsed DC as well as AC. Duty cycle to verify operation of feedback carbs. Direct reading of dwell for 3, 4, 5, 6 and 8 cylinder engines. Temp readings with included thermocouple. Includes 9V battery, rubber holster with tilt stand, leads with alligator clips, thermocouple, manual. Lifetime warranty.

DC Volts	400.0mV~500V @ ±0.3%
AC Volts	4.000V~500V @ ±2.5%
DC Current	4.000A~10.00A @ ±1.0%
AC Current	10.00A @ ±2.5%
Resistance	400.0Ω~40.00MΩ @ ±0.5%
Frequency	99.99Hz~99.99kHz @ ±0.01%
Temp	-40°F~1839°F @ ±0.3%
Dwell Angle	0~120° @ ±2°

Cat. No.	Mfr. No./Description	Each
317-578	Model 78 Automotive Multimeter	$279.00
24 317-578-C	Model 78 with Certificate of Calibration	309.00

For replacement batteries, see page 282

Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

Model 18 Basic Automotive Multimeter



Very simple operation, simply slide the switch or push a button. Meter comes with 9V battery, test leads with alligator clips, protective rubber holster, manual and tool box storage tray. Three year warranty.

DC Volts	4000mV ~ 600V @ ±0.9%
AC Volts	4000mV~ 600V @ ±1.9%
Resistance	400.0Ω~40.00MΩ @ ±0.9%
Capacitance	1.00µF ~ 10,000µF @ ±1.9%

Cat. No.	Mfr. No./Description	Each
317-918	Model 18 Basic Automotive Multimeter	$129.00
24 317-918-C	Model 18 with Certificate of Calibration	159.00

For replacement batteries, see page 282

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Fax Lines: 800-366-9662 • 602-438-1690

BK PRECISION

Handheld TV Pattern Generator



Portable NTSC Pattern Generator with S-Video, Composite Video and Audio outputs.

This handheld NTSC Pattern Generator is powered by a 9 volt battery providing NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns, including black and white. The available outputs are composite video and audio via two RCA connectors or an S-Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode. No Modulated RF signal is provided.

Cat. No.	Mfg. No./Description	Each
33-125	1257 NTSC pattern generator	$199.00
473-005	9V battery required for operation	3.15



BK PRECISION

NTSC TV Generator

For comprehensive testing, servicing, and adjustment of video and TV equipment, receivers, VCRs, monitors, CCTV systems, and master antenna systems. Outputs a calibrated NTSC signal at ±5 IEEE units. Also outputs separate RGB, horizontal and vertical sync and composite sync signals. Patterns include NTSC color bars, staircase, black raster and an assortment of convergence patterns. 30Hz signal is provided for isolation of VCR servo problems. 4.5MHz subcarrier for audio testing also provided. (USA)

Cat. No	Mfr. No./Description	Each
33-249	1249B NTSC TV Generator	$569.00



BK PRECISION

PC Monitor Pattern Generator

➥ Speeds repairs and alignments ➥ Battery-powered

Outputs test patterns to most types of computers to troubleshoot and align monitors, including Macintosh, from CGA to SVGA. Outputs color bars, cross hatch and gray scales from 640 x 200 to 1024 x 798 pixels. 9 pin, 15 pin and BNC ports available. Operates on 9V battery sold separately or AC adapter included. (USA)

Cat. No	Description	Each
33-218	PC Monitor Pattern Generator	$399.00
473-005	9V Battery	3.15



BK PRECISION

Portable TV Pattern Generator

➥ Small, battery-powered ➥ Perfect for field or shop

Outputs five patterns for testing, troubleshooting, and aligning video equipment: color bars, color raster, blank raster, cross hatch and dot. 4.5MHz subcarrier modulated by 1kHZ tone for testing of audio circuits. Powered by 9V battery sold separately or AC adapter included. 2 x 6.5 x 7", 1 lb.

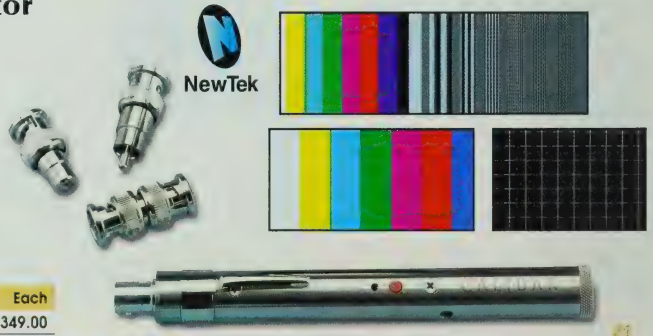
Cat. No	Description	Each
33-211	Portable Video Generator	$235.00
473-005	9V Battery	3.15

Calibar NTSC Test Signal Generator

➥ Test & calibrate video equipment

A fast, easy and portable way to calibrate video equipment. Calibar is about the size of a fountain pen but has 24 test pattern functions and black burst generator – as many as most rack systems. With a 10 bit 4Fsc precision digital-to-analog conversion, you get highly accurate test patterns. Operates on AC or 6V battery (sold separately). By simply touching the button, it generates SMPTE color bars with PLUGE; touch again to calibrate convergence and so on. Includes AC power adapter, three BNC adapters, Calibar glasses (to calibrate video monitors), and operating instructions. Under 3 oz. (USA)

Cat. No.	Description	Each
61-001	NTSC Test Signal Generator	$349.00



SMD Grabber® Minipincer™ Test Clips



Two-part grabber/minipincer jaws slip around both sides of a component leg. No need for backside clearance on component leg. **SMD Grabber** opens .040", extends .060", and is 1.7" overall. **Minipincer** opens .087", extends .110", and is 2.6" overall.

Contact jaws are gold plated. Ten different colors in each pack. (USA)

Cat. No.	Description	Each
136-122	SMD Grabber, 6", 10/pk.	$53.00
136-121	SMD Grabber, 12", 10/pk.	53.00
136-155	SMD Grabber, 24", 10/pk.	55.00
136-124	Minipincer, 8", 10/pk.	53.00
136-125	Minipincer, 12", 10/pk.	53.00
136-127	Minipincer, 24", 10/pk.	53.00

Pomona



7-Piece Deluxe Electronic Lead Kit

Contains red and black 48" leads that pair with probe handles, alligator clips, extended probe tips, minigrabber leads, minipincer leads, slide-on IC covers, two spade lugs and nylon roll pouch. (USA)

Cat. No.	Description	Each
136-674	Deluxe Electronic Lead Kit, 7 pc.	$69.00

Ipi

Multimeter Test Leads Set



Interchangeable plug on probes (one red, one black), two standard probes, two hook probes, two alligator clips, and two spade lugs. Fits most multimeters. 48" long. (UK)

Cat. No.	Description	Each
701-163	Multimeter Test Leads Set	$35.00

Call for quantity pricing.

11-Piece Probemaster Softie Probe Set



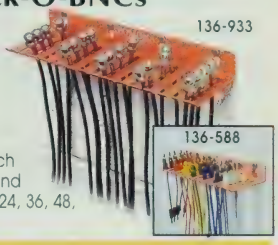
- Screw on tips

Flexible probes bend 90° or more. Includes two each of spring hooks, alligator clips, spade lugs, and tip covers in storage pouch. Leads are 48" long with 10A maximum current rating. (USA)

Cat. No.	Description	Each
916-202	Probemaster Softie Probe Set, 11 pc.	$23.95

Pomona

Rack-O-Bananas/Rack-O-BNCs



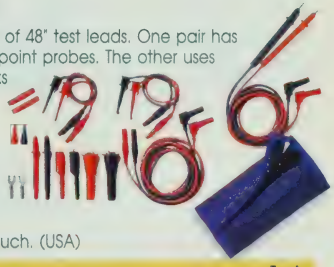
- Complete ready to hang banana kits: 7 lengths, 4 leads each, 7 colors or red/black pairs.
- 21-piece BNC kit: 5 lengths, 4 leads each

Stackable banana connectors each end 18 AWG wire 4, 8, 12, 18, 24, 36 and 48". BNC-to-BNC kit RG-58 lengths 12, 24, 36, 48, and 60". Wall rack included. (USA)

Cat. No.	Description	Each
136-588	Multi-Color Banana Kit	$99.00
136-589	Red/Black Pairs Kit	99.00
136-933	BNC-to-BNC w/Rack	139.00
136-005	Test Lead Holder	9.95

Pomona

31-Piece Maxi-Kit



Contains two red/black pairs of 48" test leads. One pair has fixed handle extendible needle point probes. The other uses standard sheathed banana jacks and adapts to tip probe handles, alligator clips, large clips, minigrabber leads, minipincer leads, spade lugs and couplers. Interchangeable tips, one pair each of dog-leg, needle, shoulder, and four standard brass tips. Nylon roll pouch. (USA)

Cat. No.	Description	Each
136-677	Pomona Maxi-Kit, 31 pc.	$95.00

Pomona

10-Piece Alligator Test Lead Kits



Five red/black pairs. PVC insulated wire and boots each end. **Light-Duty Test Lead** is 20 AWG, 1.2" nickel plated clip. **Regular Test Lead** is 18 AWG, same clip. **Heavy-Duty Test Lead** uses 18 AWG and 2" clip. (USA)

Cat. No.	Description	Each
136-553	Light-Duty 12" Lead Kit, 10 pc.	$30.00
136-551	Light-Duty 24" Lead Kit, 10 pc.	30.00
136-554	Regular 12" Lead Kit, 10 pc.	34.00
136-555	Regular 24" Lead Kit, 10 pc.	36.00
136-558	Heavy-Duty 24" Lead Kit, 10 pc.	39.70
136-559	Heavy-Duty 36" Lead Kit, 10 pc.	37.40

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Fax Lines: 800-366-9662 • 602-438-1690



Pomona
Banana Spring Test Probes

Standard test probes with banana plug springs on tips. This allows you to connect anything with a banana jack to the test probe with high electric and mechanical integrity. This unique feature makes these the most flexible and useful DMM and test equipment probes you can buy. Kit contains two modular probes and tow 48" silicone insulated leads, black and red. Conforms to IEC1010-2-031. 1000V.

Cat. No.	Mfr. No./Description	Each
136-304	6304 Banana Spring Test Lead Kit	$16.00



Pomona
BNC Patch Cables

➥ Long life design ➥ A must for any bench

High quality cables and connectors make these cables a perfect match for all of you testing and engineering needs. Each has heavy molded strain relief which won't separate from cable or connector. RG58c/u 50Ω cables.

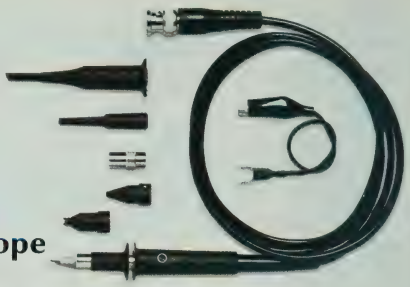
Cat. No.	Description	Length	Each
136-236	Coax Cable w/Strain Reliefs	36"	$11.75
136-248	Coax Cable w/Strain Reliefs	48"	14.65



Circuit Board Holder

Six vertical tilt positions and eight positive rotational positions to full 360°. Heavy cast-iron base. Adjustable spring-loaded arm permits easy board insertion or removal. Accommodates boards up to 10" wide and 1/8" thick. (USA)

Cat. No.	Description	Each
441-333	Circuit Board Holder with 13" Crossbar	$68.50



Pomona
Oscilloscope Probe

➥ Low cost, high quality ➥ Perfect replacement probe

A good quality general purpose passive probe for replacement of lost or damaged probes. Each probe is X1/X10 switchable and rated to 15/100MHz bandwidth. Comes with complete accessory kit. Four foot length. (USA)

Cat. No.	Description	Each
136-455	Oscilloscope Probe	$47.00



Pomona
Stackable Banana Plug Cords

Universally useful in the field or on the bench. These patch cords feature nickel plated connections rated to 5000VDC and up to 10A. On the back of the plugs are banana jacks which allow you to stack more patch cords or any other banana plug equipped lead. Available in red or black.

Cat. No.	Description	Color	Length	Each
136-012	Patch Cord	Black	36"	$3.70
136-013	Patch Cord	Red	36"	3.70
136-014	Patch Cord	Black	48"	4.10
136-015	Patch Cord	Red	48"	4.10



Pomona
Mini Hook Test Leads

Universally useful in the field or on the bench. These patch cords feature nickel plated connections rated to 5000VDC and up to 10A. On the back of the plugs are banana jacks which allow you to stack more patch cords or any other banana plug equipped lead. Available in red or black.

Cat. No.	Description	Color	Length	Each
136-016	Mini Hook Test Lead	Red	48"	$6.80
136-017	Mini Hook Test Lead	Black	48"	6.80

Pomona

7/16 DIN Adapter Kit

- Perfect for PCs and cellular techs

Enables you to connect equipment that has 7/16 DIN connections to other equipment with Type N connections. High resistance to inter-modulation interference. **Kit** contains 7/16 DIN male to 7/16 DIN female right angle, 7/16 DIN male to N male, 7/16 DIN male to N female, 7/16 DIN female to N male, 7/16 DIN female to N female, 7/16 DIN female to 7/16 DIN female.



Cat. No.	Mfr. No./Description	Each
136-716	6254 7/16 DIN Adapter Kit	$415.00

31-Piece Coax Adapter Kit

- Make any adapter you need
- Tested to 1GHz
- High content silver and gold plating



Cat. No.	Description	Each
701-300	Coax Adapter Kit, 31 pc.	$155.00
701-048	RG-58 Cable, 4', accepts adapters both ends	18.00
701-320	Adapter Connector, connects any two adapters	6.00

Male Cat. No.	Female Cat. No.	Description	Each 1-4	5-9
701-322	701-324	BNC Adapter	$7.75	$7.36
701-326	701-328	N Adapter	8.50	8.07
701-330	701-301	UHF Adapter	7.75	7.36
701-331	701-335	TNC Adapter	7.75	7.36
701-337	701-339	SMA Adapter	10.50	9.97
701-340	701-342	Mini-UHF Adapter	7.75	7.36
701-344	701-346	F Adapter	6.75	6.41
701-348	701-350	RCA Adapter	10.50	9.97



200MHz O'scope Probes

- X10, switchable X1/X10, or X100
- 1.4 meter cable length

High quality probes for all major brands of oscilloscopes. Four accessory pieces included. Economical fixed **X10** unit.

X1/X10 Switchable Probe is our most popular. Select **X100** attenuation for applications from 400V to 2kV. (England)

Cat. No.	Mfr. No./Description	Each
701-559	X10 200MHz Probe	$42.00
701-557	X1/X10 Switchable 200MHz Probe	49.00
701-553	X100 250MHz Probe	70.00



502-010 502-011 502-012

BNC "Y" Adapters

Special design for Thinnet installations lowers strain placed on cables at back of the PC. (Taiwan)

Cat. No.	Description	Each 1-4	5-11
502-010	BNC Y Adapter, 180°	$5.50	$4.40
502-011	BNC Y Adapter, 90°	5.50	4.40
502-012	BNC F Adapter	5.50	4.40

Converta-Truck Equipment Cart

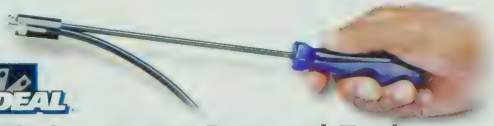
- Share expensive test gear

Tubular steel frame with sand enamel finish. 8" rubber wheels. 2½" casters. (USA)



Computer not Included

Cat. No.	Description	Each
568-990	Converta-Truck	$165.00



BNC Connector Removal Tool

- Factory lifetime warranty

The easy answer to removing BNC connectors in high density or hard-to-reach locations. Choice of 4, 8, or 12" blades with sure grip plastic handle. Works on crimp and twist on connector. (Taiwan)

Cat. No.	Description	Blade Size	Each
240-815	BNC Removal Tool	12"	$21.95
600-850	BNC Removal Tool	8"	21.95
600-004	BNC Removal Tool	4"	21.95

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FLUKE®

Deluxe Electronic Test Lead Set

The TL81 deluxe electronic lead set extends the capability of your DMMs and other test equipment. The probes have three-foot-long silicone leads for maximum flex and reach and have 90 degree shrouded banana plugs. Also included are two insulated alligator clips, two probe tip extenders, two meter long leads which accept the following; test probes, hook clips, pincher clips, IC probe tip adapters. Set is housed in a soft case.

Cat. No.	Mfg. No./Description	Each
317-421	TL81 Deluxe Electronics Lead Set	$99.00

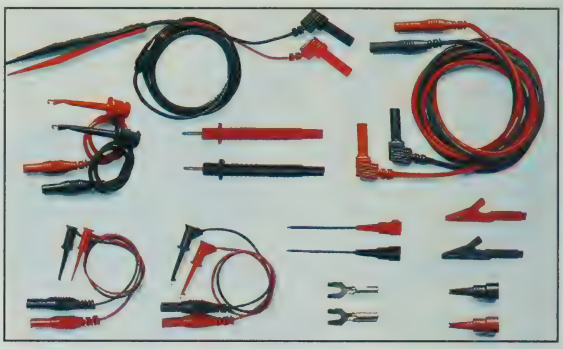


FLUKE®

Basic Electronic Test Lead Set

The TL80 basic electronic lead set offers extended capability over most leads supplied with DMMs and other test equipment. The probes have three-foot-long silicone leads for maximum flex and reach and have 90 degree shrouded banana plugs. Included are two insulated alligator clips, red and black and two probe tip extenders. Both slip over the probe tips. Set is housed in a C75 zippered vinyl case.

Cat. No.	Mfg. No./Description	Each
317-420	TL80 Basic Electronics Lead Set	$39.00



Pomona
Test Lead Companion Kit

➥ **Get the most out of your sub boxes**

Padded durable Cordura® case with handy shoulder strap stores your sub box and includes a complete lead set for electronics testing. You get medium alligator clips, three sizes of spring hooks, standard probes with extended tips, SMD tips and spade tips, and a pair of SMD tweezer leads. (USA)

Cat. No.	Description	Each
136-174	Test Lead Companion Kit	$119.00



Pomona
Unique Push-On BNC Cables

➥ **Fast on & off saves time** ➥ **High performance**

Designed for those who connect and disconnect BNC cables many times a day. These unique push-on BNC cables have a locking collar for cable retention. Pull collar to release connector. Strain reliefs withstand years of use. RG58c/u cables.

Cat. No.	Description	Length	Each
136-624	Push-On BNC Cable	24"	$28.50
136-636	Push-On BNC Cable	36"	28.50
136-648	Push-On BNC Cable	48"	28.50



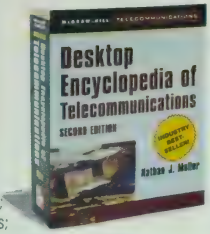
Pomona
Precision Electronic Probes

➥ **Finest tips available**

Your search is over for super fine tips in a probe set. Designed for probing very tiny circuit components, the tips are spring loaded to reduce problems of hand unsteadiness and protect against breakage. Very comfortable grips reduce fatigue and aid accurate probing. Fits Fluke, Jensen, Tek and other manufacturers DMMs and test equipment.

Cat. No.	Mfr. No./Description	Each
136-275	6275 Precision Probe Set, Stainless	$14.00
136-342	6342 Precision Probe Set, Gold Plated	16.00

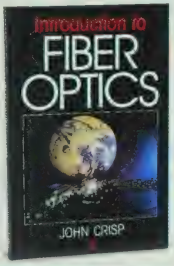
Desktop Encyclopedia of Telecommunications



Telecommunications technology and terminology continue to evolve at a rapid pace. In a single, alphabetically organized volume, this book clearly explains voice and data applications, LANs, WANs and satellite networks; the Internet and intranets; new technologies and acronyms; fiber and wireless; cellular and cable; components and concepts; and much more. Also included are discussions of key regulations and standards, and the various organizations that have contributed to the industries' growth. 1113 pages.

Cat. No.	Description	Each
960-025	Desktop Encyclopedia of Telecommunications	$49.95

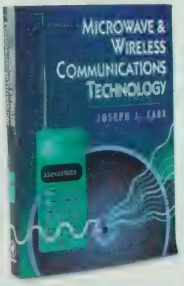
Introduction to Fiber Optics



Provides an introduction to fiber optics while assuming no previous knowledge of the subject. It introduces theory and practical knowledge needed to understand the technology. Terms used in specifications and catalogs, and equipment such as cleavers, splicers, OTDRs etc. will be explained along with the principles involved. 216 pages.

Cat. No.	Description	Each
128-001	Introduction to Fiber Optics	$32.95

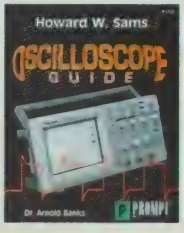
Microwave & Wireless



Fundamentals of microwave and wireless communications technology are critical to the telecommunications and data acquisitions fields. Because many new developments involve commonly available equipment such as cell phones and satellite dishes, technicians and engineers must learn the basics of the technology. This book offers a practical, device-based approach to the study of microwave and wireless communications. Numerous questions and problems, and end-of-chapter summaries reinforce the theory in each chapter. 427 pages.

Cat. No.	Description	Each
128-008	Microwave & Wireless Communications Technology	$49.95

Oscilloscope Guide



With full illustrations and diagrams, learn how to utilize oscilloscopes in electronic tests and measurement techniques. This book answers questions about the various types of oscilloscopes and how to obtain useful test results on a variety of electronic devices. Many test examples are given to help guide you through multiple test procedures. A must-have field guide. 214 pages.

Cat. No.	Description	Each
128-004	Oscilloscope Guide	$29.95

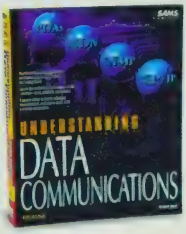
WinRef 98-95



A comprehensive reference for both Windows 98 and 95. Differences between 98 and 95 are clearly identified, making WinRef the perfect training tool for people upgrading from Windows 95 to 98. Commands and features are arranged alphabetically and topic lists are grouped by subject for easy lookup. Perfect for the novice and professional. 576 pages, AND it fits in your shirt pocket.

Cat. No.	Description	Each
939-017	WinRef 98-95	$9.95

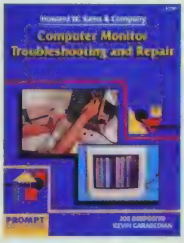
Understanding Data Communications



Written in an easy to follow format, this book provides a thorough look at the world of data communications and its impact on our lives. It explores the inner workings of data terminals, transmission channels, fiber optics, and satellites, as well as asynchronous and synchronous modems and interfaces. Learn how database services, information utilities, ISDN technology, and electronic bulletin boards operate. 504 pages.

Cat. No.	Description	Each
128-002	Understanding Data Communications	$35.00

Computer Monitor Troubleshooting and Repair



Make it easier to successfully repair dysfunctional monitors. Learn the basics of computer monitors with chapters on tools and test equipment, monitor types, special procedures, how to find a problem and how to repair faults in the CRT. Other chapters show how to troubleshoot circuits such as power supply, high voltage, vertical, sync and video. 308 pages.

Cat. No.	Description	Each
128-003	Computer Monitor Troubleshooting and Repair	$34.95

The BIOS Companion



➥ Answers all your BIOS questions

This book should come with every motherboard. It's a complete guide to hundreds of standard CMOS settings, advanced chipset setup settings and PCI bus settings found in most modern and older BIOS chipsets. It enables you to understand and change system settings with confidence. Includes a CD-ROM of the Hard Disk Companion, containing over 6,500 disk drive settings and jumper configurations along with several different BIOS tools to assist in changing and tuning your PC.

Cat. No.	Description	Each
412-001	The BIOS Companion	$49.95

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Fax Lines: 800-366-9662 • 602-438-1690

FLUKE networks Network Maintenance and Troubleshooting Guide



➥ **An outstanding reference for network professionals**

The Network Maintenance and Troubleshooting Guide picks up where other network manuals and texts end. Learn to anticipate, prevent and solve problems, troubleshoot and operate a healthy network. The guide is written as a reference for use by professionals and includes an introduction for those who are learning about network operation. (USA)

Cat. No.	Description	Each
317-039	Network Maintenance and Troubleshooting Guide	$34.95

Understanding Telephone Electronics



This book explores speech signal processing, telephone line interfacing, tone and pulse generation, and ringers. The concepts and principles are accompanied by a thorough look at the world of digital communications. It gives advantages and disadvantages of digital transmission, sampling, coding, and the various formats of multiplexed systems. The Central Office and all the various transmission modes are also included. 367 pages.

Cat. No.	Description	Each
128-006	Understanding Telephone Electronics	$24.95

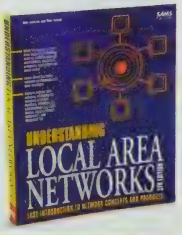
Upgrading & Repairing PCs



Find the best way to assess your system, install hardware, and troubleshoot problems. Detailed information and specifications on motherboards, processors, memory, disk drives, and every component in a PC including major peripherals. Special sections detail system capabilities and upgrade options, and trouble-shooting tips help you identify and solve problems. Appendixes provide a collection of technical information, tables, charts, and vendor lists along with a glossary of technical terms. The technical reference bookshelf which contains more than 6000 pages of detailed technical information is included on CD-ROM. 1100 pages. (USA)

Cat.No.	Description	Each
58-005	Upgrading & Repairing PCs (Book and CD-ROM)	$59.99

Understanding Local Area Networks



Provides a complete understanding of the theory behind the many network forms of data transmission methods. Operating principles, hardware configurations, software options, and management issues are all included. Gain a better understanding of cabling, network architecture, standards, protocols, and topologies, with expert advice on how to choose and support a LAN. A perfect addition for any network administrator. 298 pages. (USA)

Cat. No.	Description	Each
58-006	Understanding Local Area Networks	$29.99

TechRef is Ultimate PC Companion



Handbook reference contains all of Pocket PCRef, Pocket PC Directory, plus chapters with Windows 95 keyboard shortcuts and 250 helpful web sites. Configuration specs for over 3400 hard drives, 460 floppy drives. DOS reference through 6.22, ASCII codes, hardware and software interrupts, IO maps, cable pinouts, error codes, CPU table, printer codes and more. Directory of over 2000 PC equipment and peripherals manufacturers with addresses, phone numbers, BBSs, web sites, and more. 5 x 7.5 x 1.2". 880 pages. (USA)

Cat. No.	Description	Each
939-016	TechRef	$29.95

Measure for Measure Book of Conversions



➥ **One source for all conversion factors**

For engineers, scientists, teachers, students, maintenance, construction and industrial workers. Over 39,000 conversions for 5100+ units. Convenient size (4 x 6 x 1") and durable cover make it easy to take along. Provides a lifetime of service. 864 pages. (USA)

Cat. No.	Description	Each
396-001	Measure for Measure	$14.95

Pocket Ref and Pocket PC Ref



➥ **Fits in pocket or tool kit**

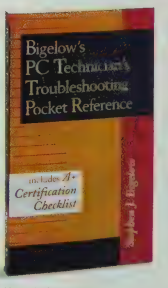
➥ **New software version**

Pocket Ref – 480 pages of tables, diagrams, formulas, constants and conversions. Entries include; air, construction, chemistry, plumbing, hardware, metals, water, tools, 3200 conversion factors.

Pocket PCRef – 300 pages of hard-to-find information for IBM PC hardware and software. DOS commands, hard drive parameters, memory map, address and I/O maps, pinouts and modem commands. (USA)

Cat. No.	Description	Each
939-005	Pocket Ref	$9.95
939-010	Pocket PCRef	14.95

PC Technician's Troubleshooting Pocket Reference



Ideal compact reference for times you need to quickly diagnose PC repair and maintenance problems and suggest cost-effective solutions. Contains full coverage of troubleshooting, reference information and tables. Hard-to-find DOS reference notes with essential commands and system configuration are included along with modem, motherboard, video, drive, input device, and peripheral troubleshooting guidelines. This book is specifically designed for on-the-job use and is a necessity for PC repair and support/help desk technicians. 408 pages. (USA)

Cat. No.	Description	Each
960-010	PC Technician's Troubleshooting Pocket Reference	$19.95

DSP-4100 Digital CableAnalyzer™



➥ **Exceeds spec requirements for CAT 5, 5E and CAT 6 with level III accuracy**

➥ **Comprehensive data management capabilities**

The DSP-4100 offers the same superior diagnostics and digital test accuracy of the DSP-4000. It will certify copper and fiber cabling installations to all current industry and applications standards, as well as the proposed TIA CAT6 and ISO/IEC Class E performance standards.

Comprehensive data management capabilities have been added to allow generation of test reports with graphical test-result curves in color for every test parameter. Include your company logo on the test reports in a graphical format, and deliver test results to your clients in print, electronically, or a combination of both. You can also generate test reports when it's most convenient for you. The tester stores all test results on removable memory modules that can be simply dropped off or mailed in.

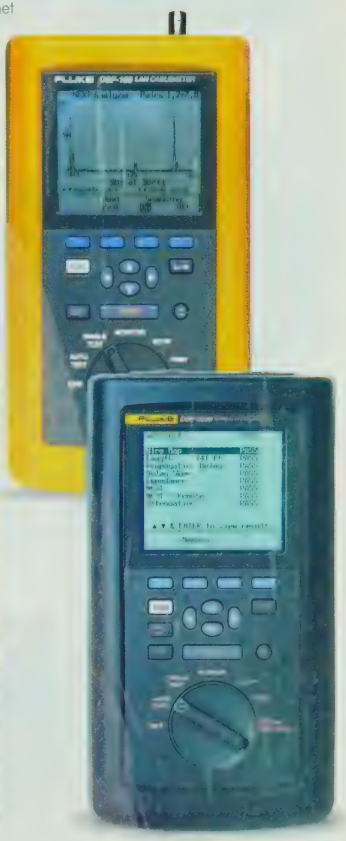
In addition, the DSP-4100 will also diagnose cable faults and show exact locations in feet or meters, accepts the new manufacturer-specific Cat 6 connectors, and shows detailed plots of NEXT, ELFEXT, PSNEXT, Attenuation, ACR, Propagation Delay, and Return Loss up to 350 MHz. It also provides a built-in Talk Mode for two-way voice communication between the main and remote units and includes DSP-CMS Cable Manager Software to help organize, edit, view, print, save, or archive test results. Includes Main test unit & Remote, (2) Basic Link adapters, (2) Channel adapters, (1) removable memory cards, DSP-CMS software, (1) PC Serial interface cable, (1) Self Calibration module, (2) AC adapter/chargers, (2) NiMH battery packs, (2) Headsets, (1) 50Ω BNC coax patch cable & 8-pin modular to BNC adapter, user manual, nylon carry case.

Optional Fiber Test Adapter Set allows bi-directional testing of multimode fiber links at 850nm and 1300nm, testing two fibers at a time. (USA)

Cat. No.	Mfr. No./Description	Each
317-145	DSP-4100 Digital CableAnalyzer	$5995.00
317-038	DSP-4000 Digital CableAnalyzer	5495.00
317-046	DSP-FTA410 Optional Fiber Test Adapter Set	2995.00

* Optional Link Interface Adapters, (call for availability) will offer the flexibility to adapt to various manufacturers' unique connector systems, delivering unequaled channel accuracy. It will monitor network traffic on 10Base-T and 100Base-TX Ethernet systems, monitor impulse noise on twisted pair cable, identify hub port connections and which standards they support.

DSP-100 Lan CableMeter & DSP-2000 CableAnalyzer



➥ **Digital technology provides maximum accuracy**

The **DSP-100** is a Cat 5 tester that provides unparalleled troubleshooting with Fluke's patented Time Domain Crosstalk Analyzer, which instantly pinpoints NEXT faults. It will even exclude sources of noise from NEXT measurements and can monitor traffic on 10BaseT networks to identify whether the cable link is the source of the problem. Stores up to 500 tests and can download to a Windows PC or directly to a serial printer. 9¼ x 5 x 3", 3 lbs. One year warranty.

The **DSP-2000** also includes Auto-diagnostics of cabling faults in graphical and text representations. Fault Info will graphically show where the link failed and offer suggestions on how to get it repaired. Traffic monitoring capabilities are possible on 100BaseT networks and hub port activation can identify whether the link is the source of the problem. Tests include two-way NEXT, impedance, resistance, return loss, ACR, wire map, length, propagation delay, delay skew, attenuation and power sum NEXT. Kit includes DSP-2000 and Smart Remote (both with installed NiCad battery pack), PC serial interface cable, AC adapter/charger, cable accessories and hard carrying case. 9¼ x 5 x 3", 3¼ lbs. (Smart Remote is 3 lbs.). One year warranty.

Optional Fiber Optic Test Kit includes an optical power meter, a combination 850/1300nm fiber optic source, patch cords and coupler. (USA)

Features	DSP-100	DSP-2000
Level II Accuracy, Basic Link & Channel	✓	✓
155 MHz Range	✓	✓
Pinpoints NEXT Faults	✓	✓
Performance Grading	✓	✓
Return Loss	✓	✓
Distinguishes Noise from NEXT	✓	-
Five-Year Battery Backup	✓	✓
Fiber Optic Option	✓	-
Auto-Diagnostics of Cabling Faults		✓
Fast Ethernet Monitor		✓
Power Sum NEXT		✓
Memory Storage for 600 to more than 2000 Test Results		✓

Cat. No.	Mfr. No./Description	Each
317-200	DSP-100 Category 5 Tester	$2495.00
317-235	DSP-2000 CableAnalyzer Kit	4595.00
317-203	Spare Battery for DSP-2000 &100	129.00
317-204	Battery Charger for DSP-2000 &100	119.00
317-237	STP Cable Kit	95.00
317-236	UTP Cable Kit	125.00
317-238	Hard Carrying Case	160.00
317-206	Optional Fiber Optic Test Kit for DSP-2000 &100	995.00

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MICROTEST®

OMNIScanner2

- Certifies CAT5, CAT5E, CAT6 and CAT7 Measurements
- Backlit Keypad
- Meets proposed 200 MHz Level III Accuracy Measurements

OMNIScanner2 has an enhanced, easy-to-read LCD and industry first backlit keypad making it easy to read and use in all light conditions. A new long life NiMH battery charges faster and has increased battery life so you can run more tests on a single charge. Also featured is a USB port and removable MMC mass memory cards for lightning fast downloads, efficient storage of full sweep data, and higher productivity. The companion Scanlink software gives you the choice of full color graphical or tabular reports which can be edited or customized.

OMNIScanner2 has the capability to certify CAT5, CAT5E, CAT6 and test CAT7 up to 300 MHz. If you upgrade to GIGABIT 10/100BASET on Enhanced CAT5 or CAT6 cables, you will get the accurate return loss and ELFEXT measurements that are required, and you will have the functionality to test cables complying with current and upcoming standards with a wide dynamic range of 100dB. OMNIScanner2 design includes a Full Vector Engine Providing both Magnitude and Phase Measurements essential for advanced certification requirements, and similar to a Lab Network Analyzer it uses a Frequency Domain DSP design allowing for operation at higher speeds and greater dynamic range. It also provides the capability to create or modify an extensive cable library or custom Autotest on your PC and easily download the new setups into your OMNIScanner2. Includes Soft Carry Case, (2) AC Power Adapters, (2) Mod 8 Adapters, (2) CAT5E Test Cables, Serial Cable, ScanLink Software and user documentation. 18 x 10 x 8", 12 lbs. (USA)

* Many test cables are available, call for availability.

Cat. No.	Description	Each
559-013	OMNIScanner2	$5995.00
559-014	Additional Battery Pack	185.00



559-012

MICROTEST®

OMNIFiber Adapter Set

MORE FIBER OPTIC PRODUCTS START ON PG. 173

- Single and MultiMode

Simply snap one adapter onto the OMNIScanner test unit and one on to the remote. You can now test single and multimode fiber. Press the "Autotest" button and you can measure length, loss and propagation delay on both transmit and receive fibers at 850 and 130nm simultaneously. It then compares the results to the appropriate industry standard and provides a simple pass/fail indication of the tested link. With singlemode fiber, OMNIScanner measures loss on transmit and receive fibers at 1310nm. OMNIFiber set includes: (2) OMNIFiber adapters, OMNIScanner Companion CD, (2) 1 meter 62.5/125 dual multimode fiber cables, (2) ST-style coupling sleeves, optic cleaning pads, user documentation and carry case.

Cat. No.	Description	Each
559-012	OMNIFiber Adapter Set	$2995.00



psiber

LanMaster 30 Outlet Identifier

- Identify network or telephone connections
- Verify that no damaging voltages are present

Connecting equipment to an untested wall outlet can damage the installed device if the outlet does not have a compatible electrical interface. Many PBX systems can supply voltage and current levels that far exceed the limits of modems or network devices resulting in equipment failure when connected. The Lanmaster 30 will identify a 10baseT Link, 100BaseTX Link, Token Ring Link, Analog Telephone Line, PBX Line or an ISDN Line. The unit will also warn the user if unidentified signals are present at the jack or if the jack is not connected. Knowing the type of connection available at an outlet not only protects against equipment damage, but also reduces time wasted troubleshooting physical layer problems.

Accessory Kit includes case, in-line coupler to test NIC, and RJ11 patch cord.

Cat. No.	Mfr. No./Description	Each
226-013	LanMaster 30 Outlet Identifier	$219.00
226-014	Accessory Kit	19.00

For replacement batteries, see page 282

MICROTEST® PentaScanner Cable Certification Tools

➥ **Smallest, lightest Category 5 tester** ➥ **TSB-67 level II compliant**

The **PentaScanner+** is an extremely accurate Category 5 cable certifier and tester. Its fast Auto Test (21 seconds), 500 test memory and quick change battery pack mean high productivity for high volume certification of an install. Its in-depth testing and reporting are excellent for troubleshooting subtle problems. Its easy-to-use menus and on-line help make for great productivity. The optional **Office Locator Kit** includes 12 Smart-T Plugs that allow you to find the end of cable drops.

The **PentaScanner 350** measures Quality Bands from 1 to 7, with 1 being a marginally passing Category 5 link and 7 being the highest link performance available today. This will indicate links that marginally pass and may require rewiring to links that are highly reliable and can meet future performance requirements. Includes the 2-Way Injector+, which provides full two-way testing which greatly speeds certification time. 4 x 8 x 2.15", 1.75 lbs. One year warranty. (USA)



Cat. No.	Description	Each
559-201	PentaScanner+ w/1-Way Super Injector+	$2995.00
559-350	PentaScanner 350 w/2-Way Injector+	3995.00
559-792	Spare Battery for PentaScanner or Remote	135.00
559-051	External Battery Charger for PentaScanner	165.00
559-021	Larger Nylon Case	75.00

MICROTEST® MICROSCANNER™ Pro

NEW



➥ **All-in-one Cable & Network Tester**

A cable verification and troubleshooting tool designed specifically for home networking professionals and IT/network managers. It can test both coaxial and all twisted pair cable and even troubleshoot any other two-wire networks like speaker wires, security networks or telephone cabling. It measures length and distance to fault, using true TDR (time domain reflectometry) for the most accurate reading. The TDR can even be used to inventory cable or perform job costing on installed cable.

The MICROSCANNER™ Pro tests wiremap for crossed and split pairs on twisted pair cables and finds opens and shorts on all cabling. It has four unique toners for finding hidden cabling. With the room/office identifiers you can easily determine routing at the patch panel and document twisted pair and coax networks easily. A key feature is the detection of active 10/100 networks and identifies whether the network is running at 10 or 100Mbps and identifies if it is half or full duplex capable. It will even flash the hub port lights for easy identification. **MICROSCANNER™ Pro for IT/network managers** also includes 3 dual UTP/Coax room identifiers and a carrying case.

Cat. No.	Description	Each
559-070	MICROSCANNER™ Pro	$399.00
559-071	MICROSCANNERTM Pro for IT/network managers	539.00
559-072	Bare Wire Adapter	19.00
559-073	Carry Case	29.00
559-075	Office/Room ID Kit	119.00

LanMaster 20 & 25 Link Tester

➥ **Fast ethernet test tools**

A must for every technician, service provider and installer. Quickly test for Fast Ethernet (100baseTX) and Standard Ethernet (10baseT) links. Insert into a hub, switch, NIC, wall outlet, or attach to cable with RJ-45 coupler. In just seconds, the LanMaster decodes the link signals and displays the exact configuration of the equipment connected to the link, as well as verifying link connectivity to the far end. It tests for reported faults and determines polarity of the outlet or cable. **226-012** also includes a transmit mode that generates a Link Activation signal to identify hub/switch port connections to a wall outlet, a tone signal generator for tracing cables, and it identifies type of Link signal for proper equipment configuration and improved network performance. Includes RJ-45 coupler and 9V battery. **Optional Case** includes RJ-45 coupler and extension cable. (USA)



226-010

Cat. No.	Description	Each
226-010	LanMaster 20 Link Tester	$149.00
226-012	LanMaster 25 Link Tester	189.00
226-011	LanMaster Case & Accessories	19.00

For replacement batteries, see page 282

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Agilent Technologies

WireScope 350

- Color touch screen interface
- Certifies compliance to proposed TIA CAT 6 & ISO Class E standards

The HP WireScope 350 provides comprehensive support for all current and emerging LAN cable certification standards. A fully modular design allows for both software and hardware upgradeability to ensure support for future LAN and cabling standards beyond CAT 6/ Class E.

A full vector network analyzer (VNA) design supports advanced calibration and diagnostic analysis capabilities and uniquely, result accuracy is correlated and traceable to industry-standard HP laboratory analysis systems.

A bright color touch screen simplifies navigation through menus and improves comprehension of test result data. The WireScope 350 stores plot data on removable Compact Flash memory cards allowing for unlimited expansion of memory capacity and transferal of test data without taking the WireScope 350 out of service.

Unit includes WireScope 350, DualRemote 350, soft carry case, (2) hanging strap kits, (2) power supplies, ScopeData Pro software, (2) Cat 5E Basic Link Probes, (2) Cat 5E Channel Probes, manual, serial cable.

Cat. No.	Description	Each
993-350	WireScope 350	$5995.00



DATACOM TEXTRON

LANcat System 5 & 6 Cable Testers

- Modular design for simple upgrades
- Measure up to 250MHz with System 6
- Two year warranty

LANcat System 5 fully complies with EIA/TIA TSB-67 Category 5 and ISO/IEC Class D cable testing requirements, with accuracy exceeding Level II requirements. It will support the latest network protocols utilizing all four pairs such as Gigabit Ethernet and ATM 622. Measurements include Power Sum NEXT and Power Sum ACR to 100 MHz, plus Propagation Delay, Delay Skew, and CAT 5 headroom margin. LinkTalk is a feature that provides voice communication over the cables under test. Included is a built-in microphone, individual earphone, volume control, and call alert signal. The standard $^1/_8$" jack on the handset allows the use of any earpiece in the event the original is lost or broken.

LANcat System 6 can test beyond the proposed CAT 6/Class E frequencies of 200MHz and provide performance verification of Enhanced CAT 5 and Gigabit cabling performance to 250MHz.

Both units can store 1000 autotests, come with Report Management Software to download results to your PC and include two LANcat handsets, two protective handset cases (with System 6 only), two LinkTalk earphones, PC interface cable, calibration standard, calibration coupler, 16 AA alkaline batteries, two AC/mains adapters, hard plastic carrying case w/locks, and user manual.

FIBERcat Kit includes FIBERcat performance module, FIBERcat Source, and hard carry case.

Installer's Kit includes two NiMH rechargeable battery packs and two handset softcases. (USA)

Cat. No.	Description	Each
599-001	LANcat System 6 Cable Tester	$4400.00
599-002	LANcat System 5 Cable Tester	3400.00
599-006	FIBERcat Kit	1495.00
599-007	RJ-45 Modular Plug for CAT5 Basic Link Testing	175.00
599-008	RJ-45 Modular Jack for CAT5 Channel Testing	175.00
599-009	Installer's Kit	395.00

For replacement batteries, see page 282

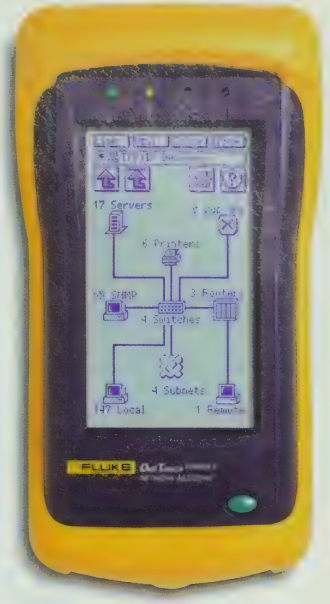
FLUKE networks

OneTouch™ Series II Network Assistant

- Increases frontline troubleshooting ability
- Complete moves, adds and changes quickly and correctly
- Simplifies menu choices with touch screen icons

A powerful tool for troubleshooting network and cable problems. The **Series II** advantage is that it works in switched LANs and makes it easy to confirm connectivity to servers, switches or routers, to test NIC cards, or to measure 10/100 Mbps Ethernet utilization, collisions and errors. Troubleshooters can even deploy the unit at a remote location and resolve trouble tickets via their Web browsers. It comes with its own report software package for network documenting.

The OneTouch is a portable diagnostic tool for 10 and 100 Mbps Ethernet network connections. Just one touch of the Autotest icon displays the connectivity status of desktop stations, routers, and servers. It proves IP connectivity to a specific resource or station from a particular network connection. The OneTouch can isolate adapter card hardware and driver problems by proving that a card can successfully transmit and receive frames as well as identify network connections in the wiring closet that are not currently used by desktop connections. Automatically identifies them in an easy-to-understand graphical form on its large bright screen. Interprets critical Ethernet parameters such as collisions, errors, and broadcasts in the context of traffic levels. **OneTouch series II with Internetwork Throughput Option (ITO)** adds a test suite that characterizes the capacity of network links. Simulate additional users or generate a specific amount of traffic to stress test the network. Provides the ability to identify bottlenecks and simple one-way and end-to-end Internetwork Throughput tests for WAN/LAN testing (requires 2 units). The **OneTouch Series II Pro** models have a ConfigMaster icon that gets the key information necessary to properly configure a device or workstation. It also includes Remote Web Control, Device to Switch Port Mapping, and Key Device Ping. 8 x 4.2 x 2.1", 1.7 lbs. One year warranty. (USA)



Cat. No.	Description	Each
317-283	OneTouch SeriesII 10/100	$4125.00
317-282	OneTouch SeriesII 10/100 w/ITO	4625.00
317-281	OneTouch SeriesII 10/100 Pro	5150.00
317-280	OneTouch SeriesII 10/100 Pro w/ITO	5650.00
317-284	OneTouch SeriesII Hard Case	125.00
317-286	OneTouch Reporter Software	1025.00
317-247	Spare Battery	275.00
317-248	Remote Adapters (#2-6)	195.00
317-249	Computer-Based Training on CD-ROM	89.95
317-206	DSP-FTK Fiber Test Kit	995.00

MICROTEST®

COMPAS® LAN Troubleshooter

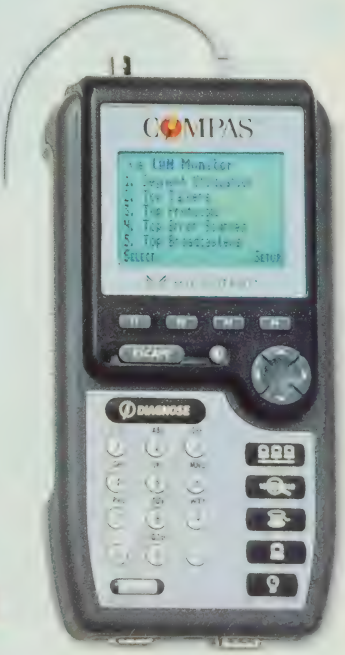
FaxBack INC
602-453-2671
24 Hours / 7 Days

- Diagnose network problems fast
- Combines protocol, server and cable testing in one
- Graphics and menus make it easy-to-use
- Supports Windows NT, Internet & TCP/IP and Netware

Designed for network administrators, technicians and service providers who need to solve everyday problems such as "Why is the network slow?", "Are my servers OK?", "Why can't I log in?". One simple test and the solutions are presented in clear language. COMPAS focuses on key problems eliminating the need to examine raw data. Its ASSIT key explains tests results and suggests how to fix the problem.

Attach the 10 Mbit COMPAS to a fileserver, workstation, hub or wallplate and it self-configures to the connection in just seconds. It looks at traffic and server statistics to determine solutions and will test network cables for problems like cross-talk and bad connections. With its built-in serial testing it can be used to diagnose remote connections.

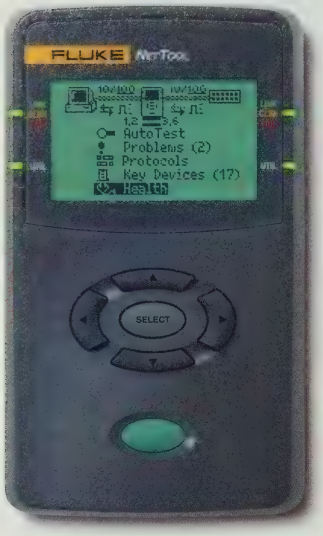
COMPAS, is pre-loaded with NetWare, Internet and Windows NT software, and includes far end adapter, RJ-45 patch cord, AC adapter, rechargeable battery and carry case. NT allows you to see the domains and hosts on your NT network. It supports IP, NetBeui and IPX protocols and will configure itself from your DHCP server. Internet makes it easy to isolate incorrectly configured hosts and can determine if the problem is a faulty router on your company's intranet or on the Internet. Performs tests such as Duplicate IP address detection, IP ping, IP host summary list and detail, ICMP monitoring and trace route. Also included is Domain Name System support for simplified troubleshooting and DHCP support. 4 x 8 x 2.15", 1.75 lbs. (USA)



Cat. No.	Description	Each
559-050	COMPAS LAN Troubleshooter	$2495.00
559-051	External Battery Charger	165.00
559-052	Extra Battery Pack	135.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

FLUKE networks



NetTool™ Connectivity Tester

- In-line functionality reduces testing time
- Monitors network health
- Discovers PC's network configuration and resolves conflicts

NetTool combines cable, network, and PC configuration testing in a palm-sized tool. It identifies a jack as Ethernet, Phone, Token Ring or inactive, and checks link pulse for speed, polarity, duplex, level information and receive pair. It resolves complex PC network configuration issues such as IP address, default gateway, and email and web servers, while showing key network resources used by that PC such as servers, routers and printers. Simultaneously monitors network health (frames sent, utilization, broadcasts, errors, collisions) for full-duplex connections, with individual counts for both the desktop and the network conversations. Shows protocol mismatches between the PC and the network, and identifies unwanted protocols that waste valuable bandwidth. Included is a Problem Log that concisely lists problems detected on the PC and network such as addressing issues, email and web problems.

The **NetTool Standard** tester provides single-ended testing of cable and desktop-to-network connectivity. Shows when a network drop is hot and identifies the service and the device on the other end. Shows speed and duplex settings and checks the health of frames being sent. **The NetTool Inline** tester is a must for network and PC technicians who install or troubleshoot networked PCs. Includes all the standard features and comes with the inline function that allows users to eavesdrop on the complex PC-to-hub link pulse negotiation process to help resolve link connectivity issues.



Cat. No.	Description	Each
317-115	NetTool Standard	$895.00
317-116	NetTool Inline	1495.00
317-117	NetTool AC Power Adapter	25.00
317-118	NetTool 1.25 amp Battery Charger	60.00
317-119	AA Rechargeable Battery Pack	15.00



567-520 567-510

DARKSTAR TECHNOLOGIES

D500 Professional LAN Testers

- Lowest cost traffic test
- Two testers to meet your needs

These testers make troubleshooting your LAN cabling easier and cheaper. We've added features you asked for while keeping the ease-of-use and value. Main units measure 4 x 7.5 x 1.3" and include remote loop backs. 9V batteries included. (USA)

	D510	D520
10BaseT Features		
Shorts, Opens, Miswires	✔	✔
Split Pairs		✔
Activate Hhub	✔	✔
Network Traffic	✔	✔
Coax Ethernet		
Shorts, Opens	✔	✔
Network Traffic	✔	✔
Terminator Test	✔	✔
Token Ring		
Shorts, Opens, Miswires	✔	✔
Shorting Bar OK		✔
Traffic	✔	✔
Speed		✔

GSA FSS Contractor — GSA Contract No.: GS-24F-9019H

Cat. No.	Mfr. No./Description	Each
567-510	D510 LAN Tester	$495.00
567-520	D520 LAN Tester	795.00

For replacement batteries, see page 282



A Useful Reference for Network Professionals

FaxBack INC.
602-453-2671
24 Hour / 7 Day

FLUKE networks

Network Maintenance and Troubleshooting Guide

Picks up where other network manuals and texts end. Learn to anticipate, prevent and solve problems, troubleshoot and operate a healthy network. The guide is written as a reference for use by professionals and includes an introduction for those who are learning about network operation. For additional reference material, see pages 115 & 116. (USA)

Cat. No.	Description	Each
317-039	Network Maintenance and Troubleshooting Guide	$34.95



JENSEN®

RJ Jack Identifier

- Detects 10Base-T, Token Ring & 100MBIT
- Detects AC & DC voltage on phone lines

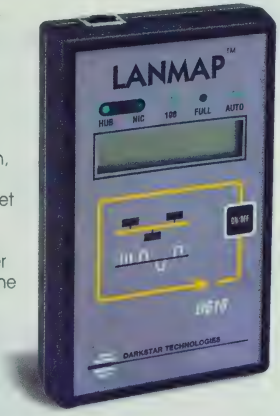
The RJ Jack Identifier is designed to aid network technicians and MIS personnel in the identification of the equipment connected to the modular jacks found throughout the work place. It will aid in determining what type of equipment is connected to the other end of the wall plate or cable by being able to detect cable terminators on all 4 pairs of a T568A/B wired jack or plug, and by being able to detect voltage on the center pair of phone lines.

Cat. No.	Description	Each
414-004	RJ Jack Identifier	$32.95

DARKSTAR TECHNOLOGIES

LanMap™ 610 Port Verifier

- Automated testing



With the touch of a single button, the LanMap 610 Port Verifier scans your UTP or STP cables for an Ethernet link partner at the far end of the cable. When connected to any 10/100 hub, switch, or NIC, the tester will auto-negotiate and get link at the highest common capability.

The 610 fully supports IEEE 802.3u standards and resolves network compatibility problems by clearly telling the user what speed and duplex settings a device is capable of. Five LED's indicate Hub or NIC, speed, duplex and whether an auto-negotiation actually took place. All advertised capabilities in the FLP burst are displayed to the user as well as frame and link errors. Traffic is displayed as a bar graph and permits you to monitor the percent utilization and peak load for the LAN segment.

The LanMap will also identify the service that is present on active RJ45 jacks. In addition to 10/100 Ethernet, it will identify 100BASE-T4, Token Ring and telephone service. When plugged into an open cable, the tester defaults to its toner mode and can be used with any standard probe/amplifier to trace the cable.

Cat. No.	Description	Each
567-610	LanMap™ 610 Port Verifier	$399.00

DARKSTAR TECHNOLOGIES

WireMap 620 Cable Tester

- Simple one-button operation
- Performs full cable wiremap
- Detects 10Base-T & 100-Base-TX links



Once connected, it looks for it's remote unit (included) at the other end of the cable. Once detected, it performs a full wiremap test including tests for shorts, opens, mis-wires, shield and split pairs. The results are then displayed on the LCD. Both straight-thru and crossover cables are quickly verified.

If the remote is not detected, the 620 tries to establish link with any 10Base-T, 100Base-TX or auto-negotiating device connected at the far end of the cable. Once link is established, the 620 will also display the traffic load on the LCD as a bar graph. If no link partner is detected (and there are no shorts), the 620 will send tone on all four pairs which can be traced with any standard inductive probe. 3.6 x 5.75 x 1.3", 1 lb.

Cat. No.	Description	Each
567-620	WireMap 620 Cable Tester	$399.00

DATACOM TEXTRON

NETcat Plus LAN Trouble Shooter

- Diagnoses network problems for Ethernet and Token Ring



When testing twisted pair, a wire map is performed along with tests for NEXT, Attenuation, Length, Background Noise and Impedance. The TDR will provide cable length measurements as well as give you distance to a fault. For thick and thin Ethernet coax cabling, it will check for length and impedance. NETcat Plus can also monitor live Ethernet traffic on 10BaseT or coax networks. Network utilization, peak traffic, and collisions are continuously monitored up to 24 hours. Stored traffic test results can then be output to a printer in graphical form. Includes three 9V batteries, patch cord, carrying case, AC adapter and user manual.

Cat. No.	Description	Each
599-003	NETcat Plus LAN Trouble Shooter	$995.00

For replacement batteries see, page 282

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Fax Lines: 800-366-9662 • 602-438-1690



INTERNATIONAL DATA SCIENCES, INC.

MADE IN USA

Breakout Boxes

Model 100 has no-guesswork display. Two colors differentiate high or low signal. Switches for forcing CTS, DCD, RTS, DTR on and crossing RD with TD. Includes remote cable test adapter. Operates on two 9V batteries included.

Model 62BP has twin LEDs for the most common lines and a spare pair for monitoring any other. TD and RD crossover, and a pulse trap to capture fast glitches. Operates on two 9V batteries included.

Model 61 uses dual-color LEDs to monitor 12 common lines, full breakout supplied. Operates on four AA batteries included.

Model 60 is the original Blue Box. IDS' low cost breakout box with basic line monitoring. Operates on two AA batteries included. (USA)

Models V.35, RS-449 and **EIA 530** have dual LEDs for line monitoring up to 3Mbps speeds and breaks out the interface. Pulse traps grab fast pulses. Test voltages force signals high or low and two loads provide network termination. Operates on two 9V batteries included.

Cat. No	Mfr. No./Description	Each
822-100	Model 100 Breakout Box	$265.00
822-062	Model 62BP Breakout Box	185.00
822-061	Model 61 Breakout Box	185.00
822-066	Model 60 Breakout Box	115.00
822-350	Model V.35 Breakout Box	625.00
822-049	Model RS-449 Breakout Box	425.00
822-530	Model EIA 530 Breakout Box	450.00

For replacement batteries, see page 282

INTERNATIONAL DATA SCIENCES, INC.

GSA FSS Contractor

All products on this page are available under ★GSA Contract No.: GS-24F-9019H

Model 76B BERT

An all purpose BERT for testing async and sync Wide Area Networks running at data rates from 10 bps to 10 Mbps including T1, E1, Fractional T1, and Fractional E1. Choose between six async and eight sync parameters such as Bit Error Rate, Block Error Rate, Error Free Seconds and Bipolar Errors. The 76B will also count bipolar violations, framing errors, CRC errors and the number of times synchronization has been lost. Interchangeable interface modules are available and allow you the flexibility to connect to a wide variety of systems. Cables included with modules. AC powered. Three year warranty. (USA)

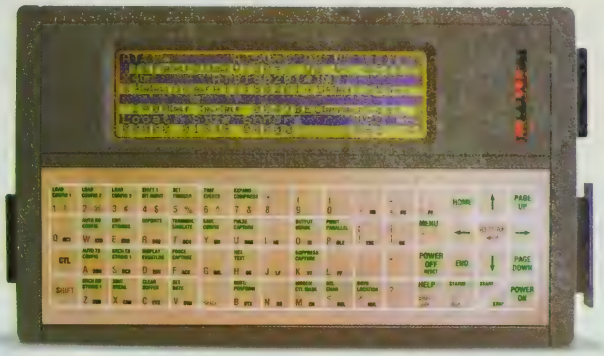


Cat. No	Mfr. No./Description	Each
822-076	Model 76B BERT Base Unit	$1695.00
822-035	Model V.35 Module	545.00
822-449	Model RS-449, -422, -423 Module	445.00
822-232	Model RS-232 Module	445.00
822-140	Model DS1/T1 Module	745.00
822-302	Model T1/Fractional T1 Module	1045.00
822-001	Model T1/Fractional T1 with Drop and Insert	1545.00
822-002	Model E1/Fractional E1 Module	1245.00

Fast Portable Serial Analyzer

➥ **Battery powered** ➥ **Tests up to 115.2kbps**

Small, lightweight full feature serial analyzer. See exactly what each computer device is saying right on an eight line display. See the characters following in either direction along with interface signals. Performs synchronous, asynchronous monitoring, testing, protocol decode, BERT, and more. Use as a terminal or printer tester, troubleshoot wide area network equipment, capture data using triggers, and determine network performance with the BERT. Async to 115.2kbps and sync to 64kbps lets you test almost all types of equipment. The eight line display and 64 key QWERTY keyboard make it easy to use. **DLM250** includes nine tristate LEDs on front panel and a buffer capacity of 256K NVRAM, 65,000 records of TD and RD data. Complete with 9V battery. 9.25 x 5.5 x 1.4", 23 oz. (USA)



Cat. No.	Mfr. No./Description	Each
307-200	DLM200 Serial Protocol Analyzer	$1895.00
307-250	DLM250 Serial Protocol Analyzer	2435.00

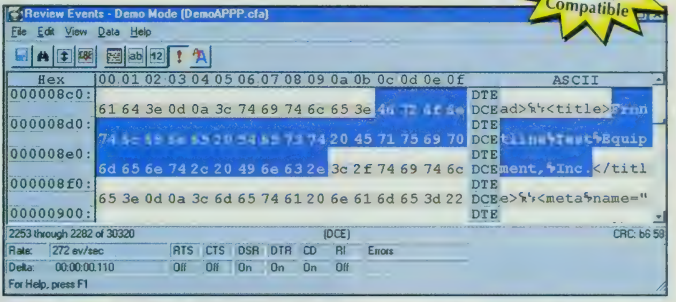
For replacement batteries, see page 282

Windows 95/98 NT 2000 Compatible

Frontline™ Serialtest

➥ **PC-based protocol analyzer**

Turns any PC into a full-featured sync/async serial data protocol analyzer for both notebooks and desktops. The Serialtest FTS 32-bit software takes the place of expensive dedicated protocol analyzers. When purchased with the **Comprobe Adapter**, it connects via the parallel printer port and allows you to passively monitor and actively test both synchronous and asynchronous devices. Monitor mode shows exactly what is flowing between any two serial devices (bytes, control signals, and protocols). Source mode allows interactive simulation of DTE and DCE devices. **Serialtest Async** is limited to async-only analysis and also includes the FTS software and custom cable set. The **SerialBERT** option includes a comprehensive Bit Error Rate Tester that runs on any PC or notebook. (USA)



Cat. No.	Description	Each
965-001	Serialtest Async	$295.00
965-002	Serialtest Sync with Comprobe Adapter	1495.00
965-004	Serialtest Sync with SerialBERT	1950.00
965-005	Serialtest Async - Windows*	395.00
965-007	Serialtest Sync with Comprobe - Windows*	1695.00

*Compatable with Windows 95, 98, NT and 2000

Serialtest w/ComProbe	Specifications	Serialtest Async
RS-232, Mil STD-188	Data Interfaces	RS-232
Up to 64K bps, including support for user-defined non-standard baud rates.	Sync Baud Rates	Not Available
Up to 38.4K bps, including support for user-defined non-standard baud rates.	Async Baud Rates	Up to 115.2K bps, including support for user-defined non-standard baud rates.
Monitor, Source DTE, Source DCE	Operating Modes	Monitor, Source DTE, Source DCE
Async, Sync-NRZ & NRZI (external and internal clocking supported)	Communication Modes	Async
Monosync, Bisync, HDLC, SDLC, X.25 SNA, Frame Relay, PPP, SLIP, TCP/IP, user customized stack, and customer decodes	Protocols	PPP, SLIP, TCP/IP, user customized protocol stack, and custom decodes
Software (including user-defined XON/XOFF characters, Hardware (RTS/CTS & DTR/DSR)	Flow Control	Software (including user-defined XON/XOFF characters, Hardware (RTS/CTS & DTR/DSR)
ASCII, 7-bit ASCII, EBCDIC, Baudot	Character Sets	ASCII, 7-bit ASCII, EBCDIC, Baudot
None, Even, Odd, Ignore	Parity	None, Even, Odd, Mark, Space
5, 6, 7, 8 bits	Word Length	5, 6, 7, 8 bits
1, 1.5, 2	Stop Bits	1, 1.5, 2

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



MICRO 2000

Micro-Scope Universal PC Diagnostic Software

- Supports Pentium III, Celeron, Athlon, AMD K6-3, and more
- Over 200 separate tests, benchmarks and data collection routines

Micro-Scope runs a proprietary O/S, which eliminates DOS limitations and inaccuracies. Accurately tests all levels of hardware, from the motherboard components to video cards, I/O systems, input devices, hard drive and USB controllers. Expanded system information now provides three screens full of vital data including modem testing, SCSI testing, PNP identification and PCI bus devices detected and basic parameters listed. Benchmarking provides accurate real-time values for CPU speed, NPU speed, hard drive seek time, CD ROM transfer rates, memory access and video transfer rates. Comes complete with loopback plugs, case, and lifetime technical support.

Cat. No.	Description	Each
308-001	Micro-Scope	$898.00



UX ULTRA-X

QuickTech PRO 2000 Diagnostic Software

- Fully supports Celeron, Pentium III & Athlon CPU's
- Self booting

Every test uses the latest diagnostic technology to detect hidden or hard-to-find errors. Performs a battery of tests on the motherboard, memory (base, extended and Cache), floppy, hard and CD ROM drives, Multimedia (w/o drivers), multi-media 3D, keyboard/interface, parallel/serial and USB ports, monitor, video adapter, and printers. Other utilities allow you to view memory, IRQ/DMA usage and view or edit I/O data for system conflicts. Included with QuickTech Pro is Quicktech 98 and Quicktech MultiMedia, as well as loop back plugs, and an extensive user's guide. Online help is available for all functions.

Cat. No.	Description	Each
72-004	QuickTech PRO 2000 Diagnostic Software	$349.00



442-200



442-020

115VAC 230VAC

SIMCheck Memory Testers

- Can pay for itself in days
- Adapter for most modules
- Portable and powerful

A valuable tool for fast, accurate testing of memory devices. Its modular design can accommodate most types of memory from individual chips to DIMM arrays. Extensively tests for failures, and to qualify and segregate large numbers of devices by architecture, speed and size. PC communications is built into the SIMCheck II and IIse. 115VAC/230VAC. One year warranty. (USA)

SIMCheck II uses a 32 bit controller to provide high in-depth and fast testing of 72 pin and 30 pin SIMMs for sizes to 4Gx40. SIMCheck offers a large array of adapters for testing many kinds of memory devices including DIMMs, Zips, individual chips, static RAM and more.

SIMCheck IIse contains the same electronics, display and firmware and can be completely upgraded in the future. It has a 72-pin test socket for testing 72-pin SIMM sizes up to 4Gx40, along with a 90-pin expansion slot for add-on products. A 30-pin SIMM test socket is optional. SDRAM support is also available via the optional sync DIMMCheck 168 adapter.

Features	SIMCheck II	SIMCheck IIse
Compact & Stand-Alone	✓	✓
Built-In 32 Bit Processor for Fast Test Times	✓	✓
Large Memory Support up to 4G Modules	✓	✓
Cycle Time Measurement	✓	✓
Automatic EDO/ FAST PAGE MODE Detection	✓	✓
Upgrades Via the Internet	✓	✓
Realtime PC Interface	✓	✓
Optional SDRAM Support	✓	✓
90-Pin Expansion Slot	✓	✓
3.3V / 5V Voltage Support	✓	✓
72-Pin SIMM Test Socket	✓	✓
30-Pin SIMM Test Socket	✓	
Speed Resolution	1ns	2-3 ns
On-The-Fly Parameter Changes	✓	
Advanced Setup (inc. Trcd/Trah, Testflow, Pattern, and Mode Setups)	✓	
Optional Automatic Handler Support	✓	
Carrying Case	✓	

SIMCheck Testers & Adapters

Cat. No.	Description	Each
442-200	SIMCheck II Advanced Memory Tester	$1795.00
442-020	SIMCheck IIse	1525.00
442-015	SIMCheck Direct Printer Interface	145.00
442-016	30 pin SIMM Test Socket upgrade for SIMCheck IIse	195.00
442-021	DIMMCheck 168 pin SDRAM Adapter	995.00
442-027	DIMMCheck 100 pin SDRAM Adapter	995.00
442-030	DIMMCheck 72p Pro Adapter	395.00



LOGICAL DEVICES, INC. Shooter EPROM Programmer

115VAC 230VAC

- Supports OTPs, Flash, EEPROMs, DIP, PLCC or TSOP
- Portable and easy to use

Shooter-LC is a 32 pin socket EPROM programmer capable of programming popular single voltage EPROMs/EEPROMs, Flash devices from 16K through optional 1M, 4M or 8M of internal RAM. When connected to a computer or modem via the RS-232 port, the operator fully controls Shooter-LC including RAM edit, blank check, checksum, upload, download, offset and file transfer format. When operating in stand-alone mode, you can directly copy and verify EPROMs with three control switches and LCD status indicator. File formats include Intel Hex, Motorola Hex, ASCII and Binary. Includes an RS-232 port that operates up to 115k baud, and Xlink software for Windows 3.1/95/NT plus high speed serial PC cable. 4.5 x 7 x 2.85". 115VAC/230VAC. One year warranty. (USA)

Cat. No.	Description	Each
943-025	Shooter-LC EPROM Programmer, 1meg	$595.00
943-030	Shooter-LC EPROM Programmer, 4meg	695.00
943-035	Shooter-LC EPROM Programmer, 8meg	795.00

DATA I/O ChipWriter Universal Programmer



- Free device updates
- Battery or AC powered

Chipwriter programs a wide variety of devices with a portable, battery powered programmer. Low-cost 48-pin universal programmer supports a full range of popular memory, micro and programmable logic devices. PC-based, plugs into the parallel port of Intel-based PCs. Full feature menu-driven software. Supports today's and tomorrow's devices. True low voltage support - as low as 1.8V. Device and operating software updates, may be downloaded for free from the manufacturer's website. Currently supports PROM, EPROM, EEPROM, Flash, NVRAM, PAL, GAL, PEEL, PALCE, EPLD, CPLD and nearly 200 types of microcontrollers. 9.5 x 6 x 2.5", 2.5 lbs. Requires eight AA batteries sold separately. One year warranty.

Cat. No.	Description	Each
887-004	ChipWriter Universal Programmer	$995.00
473-002	AA Alkaline Battery (eight required)	.91

LOGICAL DEVICES, INC. Shooter III Handheld Programmer



Shooter III is a handheld Chip programming system that allows the user to either copy EPROM's in stand alone (copier) mode or to download a file from any computer with an RS-232 port. The user interface is compatible with standard modem data transfer protocol making it compatible with any operating system. Programmer includes a master and slave socket capable for programming EPROM's, 16K to 8 Megabits of memory and an easy to use keyboard with LCD display for device selection and basic programming operations. Also, the entire command set can be invoked from a PC with simple single character ASCII transmission. The unit includes two 32 pin ZIF sockets, power supply, RS-232 cable, PC terminal program and user manual. 3.75 x 7.25 x 2".

Cat. No.	Description	Each
943-040	Shooter III Handheld Programmer	$295.00

DATA I/O ChipWriter Gang Programmer



- Programs eight devices in 23 seconds
- Stand-alone or PC-based

Programs up to eight 32 pin memory devices from a master. Can set program devices with 32 or 16 bit wide data. Supports down to 3.3 volts. Will program eight 1Mb devices in 23 seconds, so you work speedily. Use in stand-alone two button mode with a master chip or connect to an Intel-based PC via the parallel port for programming, storage and control. PC software is easy-to-use and menu driven. Device and operating upgrades can be downloaded for free from the manufacturer's website. 115VAC. 9 x 5 x 2", 3.5 lbs. One year warranty.

Cat No.	Description	Each
887-002	ChipWriter Gang Programmer	$1195.00

DATA I/O ChipWriter Portable Programmer



- Fully stand-alone
- Battery-powered portable

Fully portable 40 pin programmer capable of programming memory, logic and microcontroller devices at 1.8, 3.3, and 5 V. Two line x 40 character display and 30 button keypad provide you with input and visual feed back. Device algorithms and operating system software upgrades can be downloaded for free from the manufacturer's website. Operates on AC adapter included or eight AA batteries sold separately. Will also interface with a PC. 9.5 x 6 x 2.5", 2.5 lbs. One year warranty.

Cat. No.	Description	Each
887-003	ChipWriter Portable Programmer	$1495.00
473-002	AA Alkaline Battery (eight required)	.91

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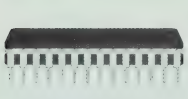


Floor Pullers and Wall Bracket

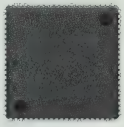
Double-cup lifters can lift up to 80 lbs. Optional **Wall Mount Bracket** for holding any model of floor panel puller that we sell. (USA)

Cat. No.	Description	Each
570-540	4" Double-Cup Puller	$29.00
570-541	5" Double-Cup Puller	32.50
570-001	Optional Wall Mount Bracket	24.00




Dual Inline Chip


PGA Chip


PLCC Chip

Chip Pullers and Inserters

Cat. No.	Description	Each
125-009	PGA Extractor/Inserter	$200.00
125-428	DIP Inserter. For 24 to 28 pin wide chips	17.00
125-002	DIP Extractor. Pulls 24 to 40 pin wide body chips	26.00
125-400	DIP Inserter. For 36 to 40 pin wide chips	22.00
125-417	DIP Inserter. For 14 to 16 pin narrow chips	18.00
331-291	PLCC Extractor only. Works with any size	15.00
125-001	DIP Extractor. For 8 to 24 pin narrow chips	5.00
125-007	5 Pc. Kit including 125-428, 125-002, 125-400, 125-417 & 125-001	67.00
329-191	PLCC Inserter	34.00

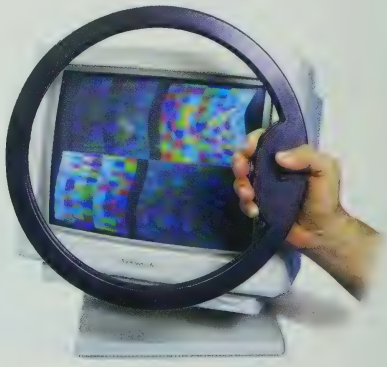


MONTEST-LCD Portable Monitor Tester

➥ For PC, SUN & MAC Monitors ➥ AC or Battery operation

New design is easy to use for testing, repairing and aligning analog computer monitors, LCD displays, and video projection systems. Comes complete with four video patterns with 16 colors and intensity control, 100 scan formats from 31KHz to 127KHz including all standard VGA scan formats, four video output connections for direct connection to PC, SUN, MAC and BNC monitors, and a pixel size of 16 or 31 nanoseconds. Selectable sync outputs for composite, sync-on-green and horizontal and vertical, along with selectable polarity settings for horizontal and vertical sync outputs. 8x6.6x2.7". Comes with AC power pack. Optional 6 C size alkaline battery operation not included.

Cat. No.	Description	Each
723-026	Montest-LCD Portable Monitor Tester	$540.00
473-003	Industrial Alkaline C battery	1.51

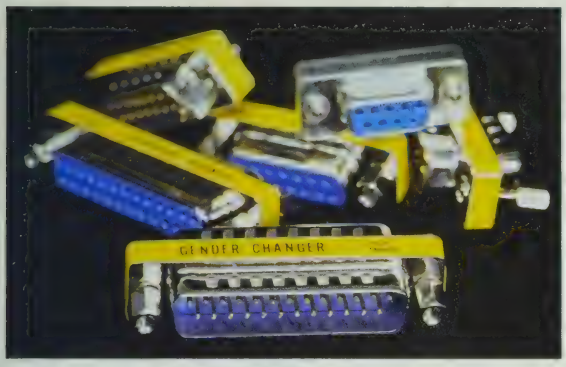


Degaussing Coil

➥ For all color CRT service

Useful in eliminating "color spots" on CRT displays, required before purity adjustments. High-density alternating magnetic field emanates from durable, high-impact plastic housing. Spring-loaded switch in grip helps prevent accidental turn-on. 13" diameter, 8' cord. (USA)

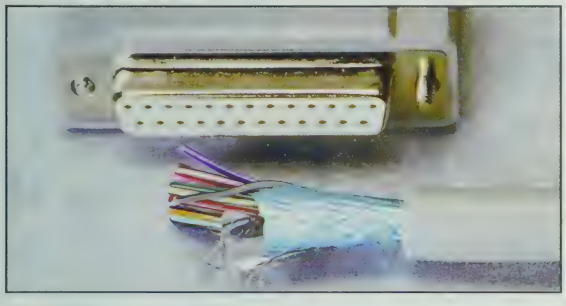
Cat. No.	Description	Each
60-317	Degaussing Coil	$46.50



Gender Changers

- Slim design, fully shielded
- Male-to-female models save connector from wear

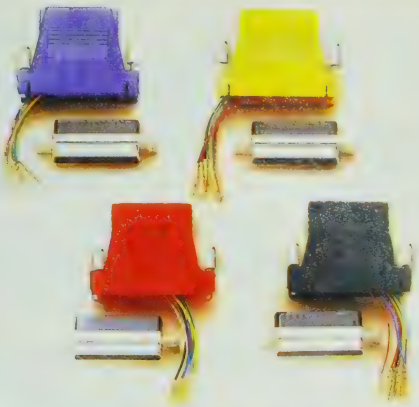
Cat. No.	Description	Each 1-4	5-11	12+
502-320	D-37 F to F	$10.00	$8.00	$7.80
502-237	D-37 M to M	10.00	8.00	7.80
502-265	D-25 F to F	6.00	4.80	4.68
502-250	D-25 M to M	6.00	4.80	4.68
502-215	D-15 F to F	6.00	4.80	4.68
502-255	D-15 M to M	6.00	4.80	4.68
502-900	D-9 F to F	5.25	4.20	4.09
502-290	D-9 M to M	5.25	4.20	4.09
502-737	D-25 M to F Connector Saver	8.00	6.40	6.24
502-736	D-9 M to F Connector Saver	7.50	6.00	5.85



Cable Assemblies

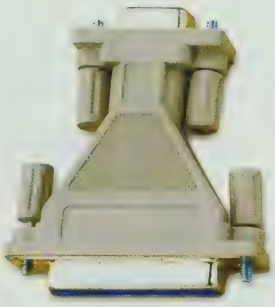
- Molded, shielded, fully wired straight through

Cat. No.	Description	Length	Each 1-5	6-11	12+
Printer or Serial					
502-365	D-25m-to-D-25f	25'	$19.95	$17.96	$17.56
502-368	D-25m-to-D-25f	10'	9.95	8.96	8.76
502-370	D-25m-to-D-25f	6'	8.25	7.42	7.26
502-366	D-25m-to-D-25m	25'	19.95	17.96	17.56
502-367	D-25m-to-D-25m	10'	9.95	8.96	8.76
502-369	D-25m-to-D-25m	6'	8.25	7.42	7.26
Serial Extension					
502-719	D-25m-to-D-9f	25'	$13.00	$11.70	$11.44
502-718	D-25m-to-D-9f	10'	7.00	6.30	6.16
502-371	D-25m-to-D-9f	6'	5.95	5.36	5.24
502-717	D-9m-to-D-9f	25'	13.25	11.93	11.66
502-716	D-9m-to-D-9f	10'	6.50	5.85	5.72
502-715	D-9m-to-D-9f	6'	5.35	4.82	4.71



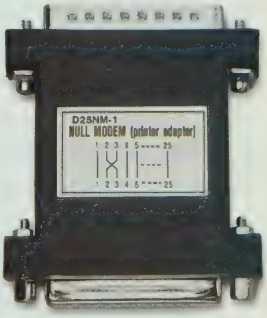
Modular to RS-232 Adapters

Cat. No.	Description	Each 1-4	5-11	12+
780-280	DB-9F to RJ-11, Black	$5.75	$4.60	$4.49
780-300	DB-25M to RJ-11, Black	5.75	4.60	4.49
780-270	DB-9F to RJ-45, Black	5.75	4.60	4.49
780-275	DB-9M to RJ-45, Black	5.75	4.60	4.49
780-285	DB-25F to RJ-45, Black	5.75	4.60	4.49
780-290	DB-25M to RJ-45, Black	5.75	4.60	4.49
780-250	DB-9F to MMJ, Black	5.75	4.60	4.49
780-552	DB-25F to RJ-45, Blue	5.75	4.60	4.49
780-560	DB-25M to RJ-45, Blue	5.75	4.60	4.49
780-550	DB-25M to RJ-45, Red	5.75	4.60	4.49
780-561	DB-25M to RJ-45, Green	5.75	4.60	4.49
780-562	DB-25M to RJ-45, Yellow	5.75	4.60	4.49



1 2 3 4 5 6 7 8 20
1 2 3 8 20 7 4 5 6

502-605



1 2 3 4 5 6 7 8 20
1 2 3 4 5 8 20 7 6

502-606

Serial Adapters and Null-Modems

Cat. No.	Description	Each 1-5	6-11
502-600	DB-9F to DB-25F	$5.00	$4.50
502-601	DB-9M to DB-25F	5.00	4.50
502-602	DB-9F to DB-25M	5.00	4.50
502-603	DB-9M to DB-25M	5.00	4.50
502-605	Null-Modem, Standard	5.00	4.50
502-606	Null-Modem, Full Handshake	5.00	4.50

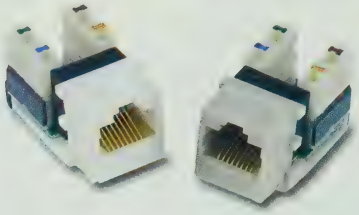
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Fax Lines: 800-366-9662 • 602-438-1690



Category 5/5E In-Line Coupler

Moves, additions and changes become hassle-free when you have the ability to join patch cords to fit your specific application. Easily joins Category 5/5E patch cords while maintaining the high standard of EIA/TIA Category 5/5E. Each is PCB designed for maximum reliability and has a special locking mechanism design for easy feed-through panel installation. (USA)

Cat. No.	Description	Each 1-5	6-11
780-140	Category 5E In-Line Coupler, White	$11.75	$10.58
780-141	Category 5E In-Line Coupler, Beige	11.75	10.58
780-100	Category 5 In-Line Coupler, White	10.50	9.45
780-101	Category 5 In-Line Coupler, Beige	10.50	9.45
780-102	Category 5 1,2/3,6 Crossover, White	10.50	9.45

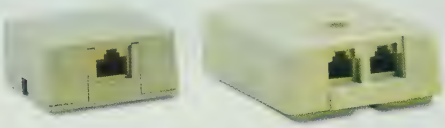


Category 5E Keystone Jacks

- Cat 5E jacks are color coded for 568A or B
- Backward compatible for Cat 5 applications

The Enhanced Category 5 jack is specially designed for high-speed network applications. Snap into standard keystone wall plates, surface mount boxes or patch panels. A 110 punchdown tool is required to terminate wire. Jacks are UL listed.

Cat. No.	Description	Each 1-4	5-9
399-001	Enhanced Cat 5 Keystone Jack, Ivory	$4.95	$4.70
399-002	Enhanced Cat 5 Keystone Jack, White	4.95	4.70



Surface Mount Telephone Jacks

Available in screw terminal and insulation displacement termination. Jacks can be screwed down or mounted with foam tape included.

Cat. No.	Description	Each 1-5	6-11
780-144	6 Wire Single Jack, IDC	$5.25	$4.72
780-601	8 Wire Single Jack, Category 3, IDC	5.50	4.95
780-020	8 Wire Single Jack, Category 4, IDC	5.50	4.95
780-021	6 Wire and 8 Wire Double Jack, IDC	6.25	5.63
780-022	8 Wire Dual Jacks Category 4, IDC	6.50	5.85
399-050	4 Wire Single Jack, Screw Terminal	2.00	1.80
399-051	6 Wire Single Jack, Screw Terminal	2.35	2.12
399-052	8 Wire Single Jack, Screw Terminal	3.10	2.79

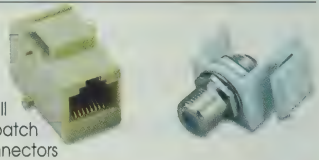


Category 5E Feed-Thru Panel

- RJ-45 to RJ-45 connectors

The Category 5E Feed-Thru Panel allows you to locate desktop concentrators (or hubs) on a 19" rack mount configuration for easy cable management. The unique design can connect patch cords while maintaining Category 5E performance and meets EIA/TIA 568-A UTP Standard for data transmission up to 100 MHz.

Cat. No.	Description	Each
780-420	Category 5E Feed-Thru Panel	$78.00



Feedthrough Modules

Snap into any keystone wall plate, surface mount box, or patch panel. Jacks have female connectors on both sides to accommodate terminated cables.

Cat. No.	Description	Each 1-4	5-9
399-011	RJ-11 Feedthrough Module, Ivory	$5.50	$5.22
399-012	RJ-11 Feedthrough Module, White	5.50	5.22
399-013	RJ-45 Feedthrough Module, Ivory	5.75	5.46
399-014	RJ-45 Feedthrough Module, White	5.75	5.46
399-007	CATV F Feedthrough Module, Ivory	2.25	2.14
399-008	CATV F Feedthrough Module, White	2.25	2.14



Surface Mount Keystone Boxes

Accept any keystone jack. Single or double jack openings. Single poet modules feature a slide latch to connect together.

Cat. No.	Description	Each 1-4	5-9
399-017	Single Jack Surface Mount Box, Ivory	$1.95	$1.75
399-018	Single Jack Surface Mount Box, White	1.95	1.75
399-019	Double Jack Surface Mount Box, Ivory	2.25	2.14
399-020	Double Jack Surface Mount Box, White	2.25	2.14



Modular Adapters

Adapters and couplers provide extensions to phone cords or allow the connection of one piece of phone equipment to another.

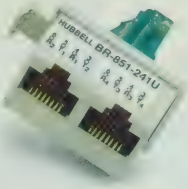
Cat. No.	Key	Description	Each 1-4	5-9
399-076	A	4 Wire Modular Jack Splitter	$2.50	$2.38
399-077	A	6 Wire Modular Jack Splitter	2.75	2.61
399-075	B	6 Wire Modular Duplex Coupler	3.25	3.09
399-074	C	8 Wire Modular Coupler	2.50	2.38
399-072	C	4 Wire Modular Coupler	1.95	1.85
399-073	C	6 Wire Modular Coupler	2.25	2.14

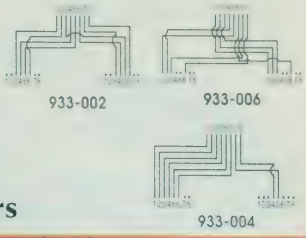


Plastic Wall Plates

➥ Accepts keystone jacks and feedthrough modules

Cat. No.	Description	Each 1-4	5-9
399-021	1 Port Single Gang, Ivory	$1.75	$1.66
399-022	1 Port Single Gang, White	1.75	1.66
399-023	2 Port Single Gang, Ivory	1.75	1.66
399-024	2 Port Single Gang, White	1.75	1.66
399-025	3 Port Single Gang, Ivory	1.75	1.66
399-026	3 Port Single Gang, White	1.75	1.66
399-027	4 Port Single Gang, Ivory	1.95	1.85
399-028	4 Port Single Gang, White	1.95	1.85
399-029	6 Port Single Gang, Ivory	1.95	1.85
399-030	6 Port Single Gang, White	1.95	1.85





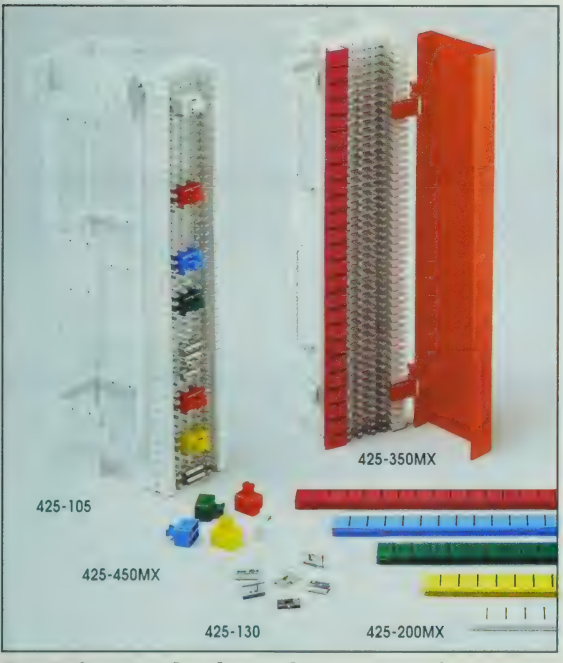
Modular Splitters

Cat. No.	Description	Each 1-2	3-9	10+
933-002	Modular Splitter	$9.75	$8.97	$8.58
933-004	Modular Splitter	9.75	8.97	8.58
933-006	Modular Splitter	9.95	9.15	8.76
780-700	RJ-45 M-F 10Base-T Crossover	7.00	6.44	6.16



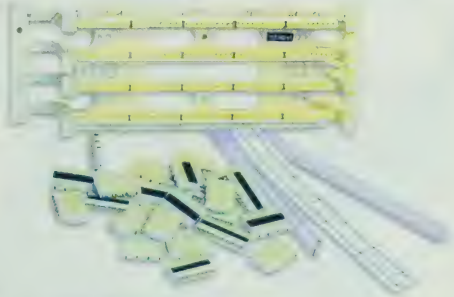
Handset & Line Cords for Telephone Equipment

Cat. No.	Description	Length	Each 1-4	5-9
399-057	4 Wire Cord	7'	$1.50	$1.43
399-058	4 Wire Cord	14'	2.25	2.14
399-059	4 Wire Cord	25'	3.25	3.09
399-060	4 Wire Cord	50'	5.50	5.22
399-062	6 Wire Cord	14'	2.95	2.80
399-063	6 Wire Cord	25'	4.50	4.28
399-066	8 Wire Cord, Round	14'	4.00	3.80
399-067	8 Wire Cord, Round	25'	5.75	5.46
399-070	Modular Handset Cord, Ivory	12'	2.95	2.80
399-071	Modular Handset Cord, Ivory	25'	4.25	4.04



50 Pair 66 Block and Accessories

Cat. No.	Description	Each 1-5	6-11
425-100	Unwired 50 Pair Block	$11.00	$9.90
425-105	Block Stand-Off	4.00	3.60
425-350MX	Hinged Block Covers, 5/pk. (1 ea./5 colors)	13.00	11.70
425-200MX	Lined Rim Strips, 10/pk. (2 ea./5 colors)	13.00	11.70
425-450MX	Single Pair Bridge Clips 125/pk. (25 ea./5 colors)	45.00	40.50
425-130	Two Position Bridge Clips, 50/bag	4.50	4.05



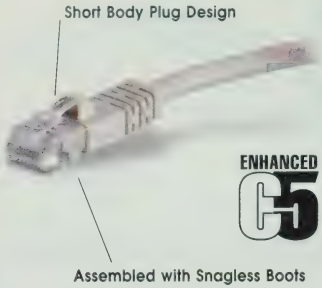
Cat 5 110 Block Kits

➥ EIA/TIA 568-A Category 5 Compliant

Convenient kits come complete with everything you need. 110 block, legs, label holders, label strips, 4 pair 110 connectors and 5 pair 110 connectors.

Cat. No.	Description	Each 1-4	5-9
780-035	100 pr. 110 Block Kit	$25.00	$23.75
780-036	300/pr. 110 Block Kit	65.00	61.75

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Enhanced Cat 5 UTP Patch Cord

➥ **Snagless boot design**

Designed for Enhanced Category 5 applications, these patch cords feature a short body designed to minimize the distance of untwisting in a pair as a result of termination to contact pins. The cords are equipped with a plug that has a snagless molded boot which covers the clip to prevent the tab from grabbing on other cables or hardware. White only.

10Base-T Enhanced Category 5: 4 Pair 24 Gauge Stranded, Molded Strain Relief

Cat. No.	Description	Each 1-4	5-9
780-310	1' Length	$3.75	$3.56
780-311	3' Length	4.75	4.51
780-312	7' Length	6.50	6.17
780-313	10' Length	7.50	7.13
780-314	14' Length	8.75	8.31
780-315	25' Length	12.25	11.64



Category 5 Stranded Patch Cords

Optimum performance, data integrity and speed are critical to your network. These stranded, molded UTP patch cords meet EIA/TIA 568-A Category 5 Standards and reduce crosstalk by minimizing kinked cables. Different colors available to simplify identification. UL listed, CSA approved and ETL Category 5 certified.

10BASE-T Category 5: 4 Pair 24 Gauge Stranded, Molded Strain Relief

Cat. No.	Description	Each 1-5	6-11
780-405XX	1' Length, PVC	$3.25	$2.92
780-406XX	3' Length, PVC	4.25	3.83
780-410XX	5' Length, PVC	4.95	4.46
780-407XX	7' Length, PVC	5.75	5.17
780-411XX	10' Length, PVC	6.75	6.08
780-408XX	14' Length, PVC	8.00	7.20
780-409XX	25' Length, PVC	11.50	10.35

Note: XX=Color BK=Black BL=Blue Leave Blank for White

10BASE-T Category 5: Cross-Over Cables (USA)

Cat. No.	Description	Each 1-5	6-11
780-750	3' Length	$3.25	$2.92
780-751	7' Length	4.25	3.83
780-752	14' Length	6.25	5.63



ST & SC Fiber Optic Multimode Duplex Cable Assemblies

Each connector is fitted with a zirconia ceramic ferrule for optimal system performance.

Cat. No.	Description	Each 1-4	5-9
29-001	1M ST-ST Assembly	$17.25	16.39
29-002	3M ST-ST Assembly	20.00	19.00
29-004	7M ST-ST Assembly	36.25	34.44
29-005	10M ST-ST Assembly	30.25	28.74
29-006	1M SC-SC Assembly	26.00	24.70
29-007	2M SC-SC Assembly	27.00	25.65
29-008	3M SC-SC Assembly	29.00	27.55
29-009	5M SC-SC Assembly	31.00	29.45
29-010	10M SC-SC Assembly	37.00	35.15



Smart Cables

➥ **Connects any RS-232 devices**

With Smart Cables you can interface any two RS-232 devices. Plug in the cable, slide a few switches, and when the lights are right, you have communications. Fast and easy-to-use, with connectors for many applications (male and female connectors on one end, removable gender changer on the other). Special purpose **Smart Cable Maker** diagrams the connection so you can construct a permanent cable. (USA)

Cat. No.	Description	Each 1-4	5-9
430-875	Smart Cable DB-25	$69.95	$66.45
430-880	Smart Cable DB-9/DB-25	69.95	66.45
430-821	Smart Cable Maker	179.95	170.95



Category 5E Patch Panels

The all new Enhanced Category 5 Patch Panels from Unicom are designed to meet and exceed the EIA/TIA 568-B Category 5 Enhanced proposed standards.

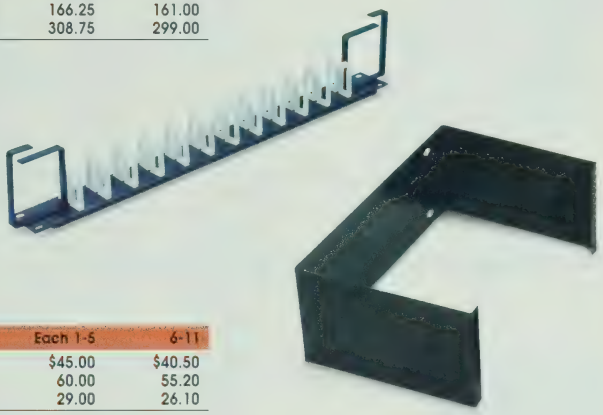
Cat. No.	Ports	Rack Space	Rear Connector	Each 1-4	5-9	10+
780-360	16	1	110 PDB	$81.95	$77.85	$75.39
780-361	24	1	110 PDB	91.95	87.35	84.59
780-362	48	2	110 PDB	175.00	166.25	161.00
780-363	96	4	110 PDB	325.00	308.75	299.00

Space Saving Wall Brackets

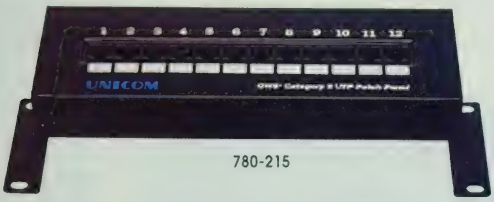
- 19" width fits most LAN equipment
- 12" depth accommodates hubs

Space saving brackets are black zinc-plated 14-gauge steel drilled with universal 10-24 threaded screw holes. 12" depth will allow mounting of most hubs and repeaters and all patch panels. Perfect for installations where a floor standing rack is impractical. Hinged on one side for easy access to rear of equipment.

Wire Minder organizes path cords and distribution cables.



Cat. No.	Description	Size	Each 1-5	6-11
780-001	Wall Bracket	19 x 7 x 12"	$45.00	$40.50
780-002	Wall Bracket	19 x 12 1/4 x 12"	60.00	55.20
780-205	Wire Minder	–	29.00	26.10



780-215



Front Termination Patch Panels

- Flush mount and wall mount

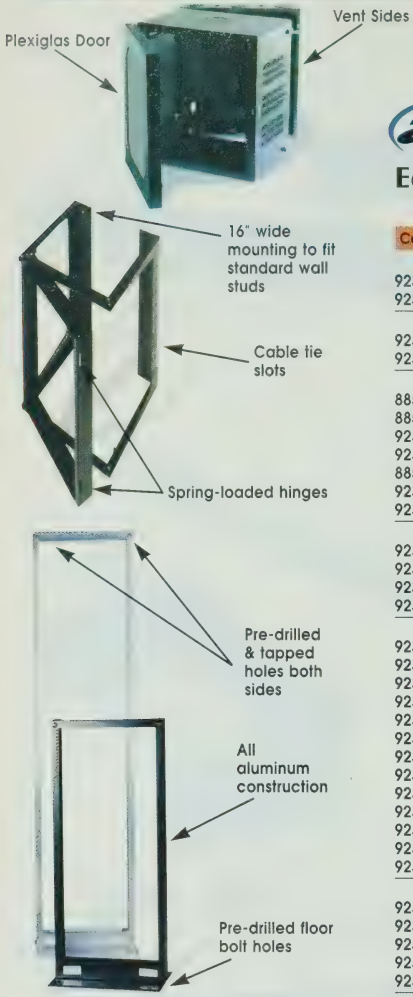
Enhanced Category 5, T568B, 12 port wall mount 110 jack panels provide a professional solution for smaller installations and expansions of existing networks. These patch panels allow front termination of the 110 connections by removal of a front cover. Once the snap-on cover is re-installed, the termination area is protected and not visible. The cover can then be removed for additions and changes.

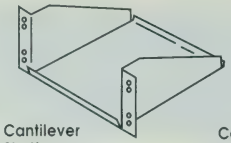


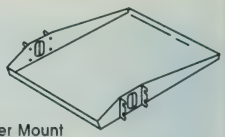
780-214

Cat. No.	Description	Each 1-4	5-9
780-214	Flush Mount Patch Panel	$78.00	$74.10
780-215	Wall Mount Patch Panel w/standoffs	82.00	77.90

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690





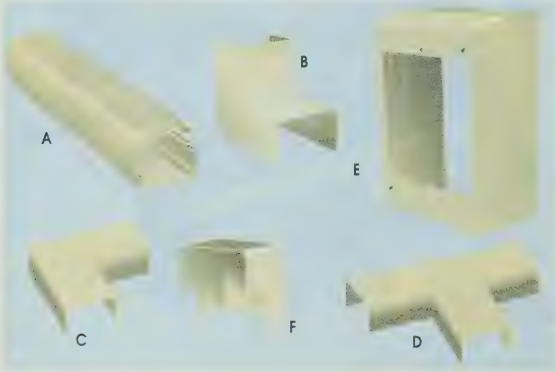


apw

Equipment Racks

Constructed of aircraft quality aluminum and available in black or mill finishes. (USA)

Cat. No.	Description	Each 1-5	6-11
	Wall Mount Swing Out Racks, 12-24 Tapped Holes		
923-061	19" Swing Out Rack, 2' Tall, Black Finish, 100 lb. limit	$146.00	$131.40
923-006	19" Swing Out Rack, 3' Tall, Black Finish, 100 lb. limit	153.00	137.70
	Wall Mount Enclosure w/Plexiglas Door & Vented Sides		
923-014	19" Wall Mount Rack, 2' Tall, Black Finish, 125 lb. limit	482.00	433.80
923-015	19" Wall Mount Rack, 3' Tall, Black Finish, 125 lb. limit	588.00	529.20
	Floor Mounted 15" Base, 10-32 Tapped Holes		
885-100	19" Rack, 4' Tall, Black Finish	136.00	122.40
885-108	19" Rack, 7' Tall, Black Finish	170.00	153.00
923-971	19" Rack, 4' Tall, Mill Finish	127.00	114.30
923-978	19" Rack, 7' Tall, Mill Finish	159.00	143.10
885-050	Cantilever Shelf, Black, 14" depth, 50 lb. limit	48.00	43.20
923-033	23" Rack, 7' Tall, Black Finish	186.00	167.40
923-191	Center-Mount Shelf, Black, 19" depth, 75 lb. limit	60.00	54.00
	Floor Mounted 15" Base, 12-24 Tapped Holes		
923-008	19" Rack, 4' Tall, Black Finish	135.00	121.50
923-007	19" Rack, 7' Tall, Black Finish	167.00	150.30
923-010	19" Rack, 4' Tall, Mill Finish	127.00	114.30
923-009	19" Rack, 7' Tall, Mill Finish	157.00	141.30
	19" Rack Accessories		
923-011	Cable Management Ring Panel, 1U (1.75")	32.00	28.80
923-012	Cable Management Ring Panel, 2U (3.5")	38.50	34.65
923-055	Cable Management Panel, 3 Hanger, 2U (3.5")	36.00	32.40
923-013	Open Vertical Organizer	63.50	57.15
923-038	Cantilever Shelf, Black, 14" depth, perforated, 50 lb. limit	59.00	53.10
923-035	Center-Mount Shelf, Black, 19" depth, perforated, 75 lb. limit	69.00	62.10
923-043	Sliding Keyboard Shelf w/Mouse Pad, 16.5" width	148.00	133.20
923-044	Sliding Keyboard Shelf, Tilt, no Mouse Pad, 16.5" width	129.00	116.10
923-901	Blank Panel, Black, 1.75"	9.50	8.55
923-019	6 Outlet Power Strip, 15' Cord	111.00	99.90
923-051	10 Outlet Power Strip, 15' Cord	130.00	117.00
923-050	10 Outlet Power Strip w/Surge Suppresion	160.00	144.00
923-048	8 Outlet Power Strip (4 ea., front/back) for transformers	175.00	157.50
	23" Rack Accessories		
923-040	Cantilever Shelf, Black, 14" depth, 50 lb. limit, perforated	79.00	71.10
923-039	Cantilever Shelf, Black, 14" depth, 50 lb. limit	67.00	60.30
923-037	Center-Mount Shelf, Black, 14" depth, 75 lb. limit, perforated	90.00	81.00
923-036	Center-Mount Shelf, Black, 19" depth, 75 lb. limit	90.00	81.00
923-041	Sliding Keyboard Shelf w/Mouse Pad, 20.5" width	158.00	142.20



3M

Wiring Ducts

➥ **Self adhesive, mounts anywhere**

The ducting is 3/4" wide and deep, and accommodates several cables. **Outlet boxes** fit any single gang face plate and have punch-outs. Available in ivory. (USA)

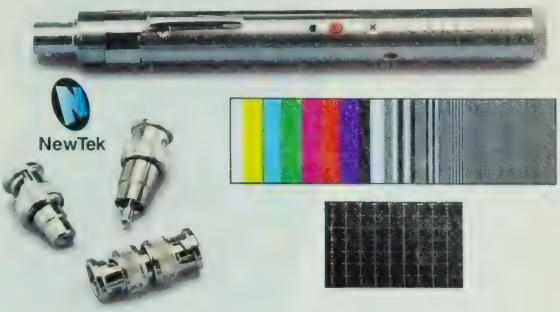
Cat. No.	Key	Description	Each 1-5	6-11	12+
251-570	A	Hinged Duct, 3/4" x 6', one piece	$11.00	$9.90	$9.68
251-576	B	Inside Corners, 5/pk.	6.75	6.08	5.94
251-578	C	Elbows, 5/pk.	6.00	5.40	5.28
251-580	D	Tee Covers, 5/pk.	6.75	6.08	5.94
251-581	E	High Profile Outlet Box, 2 1/4"	7.25	6.53	6.38
251-579	F	Outside Corners, 5/pk.	6.75	6.08	5.94
251-582	–	Low Profile Outlet Box, 1 1/4"	7.00	6.30	6.16
251-577	–	Joint Covers, 5/pk.	6.75	6.08	5.94

Calibar NTSC Test Signal Generator

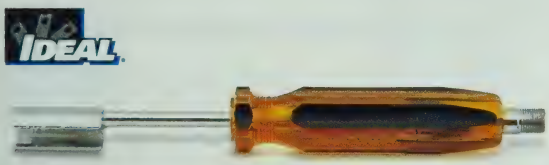
➥ **Test & calibrate video equipment**

A fast, easy and portable way to calibrate video equipment. Calibar is about the size of a fountain pen but has 24 test pattern functions and black burst generator – as many as most rack systems. With a 10 bit 4Fsc precision digital-to-analog conversion, you get highly accurate test patterns. Operates on AC included, or 6V battery not included. By simply touching the button, it generates SMPTE color bars with PLUGE; touch again to calibrate convergence and so on. Includes AC power adapter, three BNC adapters, Calibar glasses (to calibrate video monitors), and operating instructions. Under 3 oz. (USA)

Cat. No.	Description	Each
61-001	Calibar NTSC Test Signal Generator	$349.00



F Connector Installation/Removal Tool



Heavy-duty construction assures a lifetime of service. The tool is designed to aid installation and removal of cables terminating with F connectors. Save your fingers from injury while accessing hard-to-reach connectors. Head of tool is 1/16" thick hexagonal with slot for cable. 3" long blade. Includes thread cleaner. Lifetime manufacturer warranty.

Cat. No.	Description	Each
600-143	F Connector Installation/Removal Tool	$18.95

Digital Satellite Seeker



Connects to any satellite antenna and finds the strongest satellite signal quickly and easily with no adjustments necessary. Features an easy-to-read numerical LCD display and dual high and low readings. Input frequency range is 900 MHz to 2000 MHz, maximum voltage input is +30 VDC, and resolution is 1/10 dB. Compact size of 2.25 x 3.75 x .5" fits easily in shirt pocket.

Cat. No.	Description	Each
197-003	Digital Satellite Seeker	$59.95

Audio-Video Patch Cord Testers



Housed in a durable metal box, tester checks continuity of a wide variety of audio and video cables used in broadcasting industries. Powered by AA batteries included. (USA)

	XLR	1/4"	3.5mm	RJ11	Svideo	BNC	F	RCA	T-T	Midi
CT-7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Cat. No.	Mfr. No./Description	Size	Each
111-007	CT-7 Audio-Video Cable Tester	7 x 3 3/4 x 2 1/2"	$199.00

For replacement batteries, see page 282

Miles TECHNOLOGY ACT-1 Audio/Cable Tester



➥ **Tests all cables with XLR, RCA, or phone connectors**

➥ **Can test cables from just one end**

ACT-1 Audio/Cable tester provides an immediate and complete indication of the wiring status of any audio cable. With the flip of a switch, the unit provides a 500Hz test tone at either microphone or line level, to allow the checking of any signal path through an audio system, or to adjust and calibrate levels. The LED display and its graphic depiction show exactly how each connector contact at one end of the cable is wired to the contacts at the other end. Any short or open is immediately evident and any connector pins left open or cross wired can be identified or verified. Extended or installed cables can be tested from just one end with the **DT-1 Diode Terminator** and the **PC-1 Patch Cable**. Requires 9V battery sold separately. (USA)

Cat No.	Mfr. No./Description	Each
81-001	ACT-1 Audio/Cable Tester	$119.00
81-002	DT-1 Diode Terminator	22.00
81-003	PC-1 Patch Cable	22.00
473-005	9V Alkaline Battery (1 required)	3.15

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Fax Lines: 800-366-9662 • 602-438-1690

PocketToner 2



- Designed for CATV, Telco, LAN, and low-voltage Security Industries
- No need for multiple tools

A cable termination-testing device with one port for the cable lead and an audible sounder for tone verification. It also contains an LED light indicating DC shorts, cable splitters, and other self-grounding devices. Technicians can test circuit integrity in new or installed cable runs with an audible tone that identifies the line carrying the signal. Female thread connection allows for quick removal of male F connectors and easy change-out of multiple adapters.

Cat. No.	Description	Each 1-4	5-9
454-002	PocketToner 2 Kit	$75.95	$72.15
454-003	PocketToner 2	29.95	28.45
454-004	RJ-45 Adapter	11.95	11.35

tpi 31-Piece Coax Adapter Kit



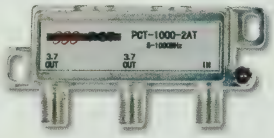
- Make any adapter you need
- Tested to 1GHz
- High content silver and gold plating

RG-58 cable not included

Cat. No.	Description	Each
701-300	Coax Adapter Kit, 31 pc.	$155.00
701-048	RG-58 Cable, 4', accepts adapters both ends	18.00
701-320	Adapter Connector, connects any two adapters	6.00

PCT INTERNATIONAL

CATV Splitters



150-005

- 1 GHz, 130 db RFI
- Flat frequency response & high return loss

PCT offers a very high quality product at a very affordable price. Splitters feature glass epoxy printed circuit boards with premium components for the best electrical performance. Zinc alloy diecasted housing with tin plating to stand up to indoor and outdoor environments, and solder back plates to ensure RFI shielding specifications. Available in horizontal design for confined spaces.



150-002

Cat. No.	Description	Each 1-10	11+
150-002	2-Way Splitter	$1.50	$1.46
150-003	3-Way Splitter	2.00	1.94
150-004	4-Way Splitter	2.25	2.18
150-005	2-Way Horizontal Splitter	2.00	1.94
150-006	3-Way Horizontal Splitter	2.75	2.67
150-007	4-Way Horizontal Splitter	3.00	2.91



150-015
150-012
150-016
150-014

PCT INTERNATIONAL

Adapters & Installation Accessories

The PCT grounding block consists of a zinc body with a bright acid, tin plated machined brass barrel to offer a high return loss.

Cat No.	Description	Each 1-10	11+
150-012	Single Grounding Block	$.95	$.71
150-014	Splice Adapter F/F w/Nut & Washer	.25	.19
150-015	BNC M to "F" F Adaptor	1.15	1.12
150-016	BNC F to "F"M Adaptor	1.15	1.12



SARGENT RG-59/6 Ratcheting Crimp Tool

Full cycle ratcheting crimp tool for CATV applications. Crimps RG-6 to a .360 hex and RG-59 to a .324 hex. Easy to carry and no removable dies to worry about. (USA)

Cat. No.	Description	Each 1-4	5-9
685-002	RG-59/6 Ratcheting Crimp Tool	$52.00	$49.40



PCT INTERNATIONAL

F Connectors

- Compliant with SCTE specifications
- Universal fit for Standard/Tri/Quad Shield Cables

F connectors have attached crimp ring which provides electrical shielding and mechanical retention. The ring is annealed for a reliable crimp with no fracturing. They are made of machined brass with bright acid tin plating for maximum resistance to corrosion. Includes a wide hex nut for ease of tightening. **Weather Sealed** version includes o-ring and silicone gel, ideal for outdoor applications.

Cat. No.	Description	Each 1-0	11-49	50+
150-008	RG-59 F Connector	$.30	$.29	$.27
150-009	RG-59 F Connector w/Weather Seal	.40	.39	.37
150-010	RG-6 F Connector	.30	.29	.27
150-011	RG-6 F Connector w/Weather Seal	.40	.39	.37

RF 3200
Field Strength Analyzer

- Portable and powerful
- Menu driven ease of use

A powerful tool for telecommunications, cable TV, satellite and radio industries. Receives and measures signals of wide and narrow band FM, AM, and single side-band. Frequency range is 100kHz to 2060MHz. Measures frequency, displays spectrum of signal, measures level of signal in dBm and dBu. Displays single channel, multi-channel and two channel difference. Scans channels and will output audio through built-in speaker. 50Ω input, BNC connector or detachable antenna. Its backlit LCD screen offers graphical output and access to the set-up and measuring menus. RS-232 output with PC software, cable, and six AA batteries included. 9 x 4 x 1 3/4", 1.4 lbs. (Korea)



Frequency Range	100kHz to 2060MHz
Frequency Step	5kHz to 6MHz in multiples of 5kHz and 6.25kHz
Frequency Accuracy	± 25 ppm
Max Input Voltage	5Vrms
Level Measurement Range	-10dBm to 40dBm ±0.5dBμ
Frequency Counter Bandwidth	9MHz to 2060MHz resolution to 1kHz
Input Sensitivity	9MHz to 2060MHz = 120mV 50MHz to 1500MHz = 50mV 2MHz to 2800MHz = 500mV

Cat. No.	Mfr. No./Description	Each
338-005	RF 3200 Field Strength Analyzer	$2100.00
338-006	Carry Case for RF3200	41.00
338-007	RS-232C Cable/RF3200	25.00
338-008	Detachable Antenna for	29.00
338-009	75-50Ω Matching Pad	199.00
338-010	20dB Attenuators	200.00
338-011	40dB Attenuators	200.00
338-012	Type F to BNC Adapter	33.00

For replacement batteries, see page 282

TELEWAVE, INC.

RF Watt Meter

- 25-1000MHz or2-200MHz
- 5, 15, 50, 150,500W ranges
- Forward and reflected power
- ±5% accuracy



Cat. No.	Description	Each
781-044	Low Frequency RF Watt Meter 2-200MHz	$563.00
781-444	Broadband RF Watt Meter 25-1000MHz	563.00
781-600	60W Dry Dummy Load	88.00
781-445	Carrying Case for Meter and Load	81.00

BIRD

THRULINE®
RF Directional Wattmeters

- The industry standard in wattmeters
- NEW average-reading model for digital RF systems



Model 43 Thruline Wattmeter accurately measures forward or reflected power in coaxial transmission lines under any load condition. High-precision wattmeter inserts between the transmitter and load. Plug in elements (sold separately) determine the power rating and frequency range. Rotate element to read forward or reflected power. Shock-mounted meter with 25, 50 and 100 scales, permits full-scale power reading from 100mW to 10,000W with appropriate element installed. Type-N connectors. Frequency range 450Khz - 2.7Ghz with appropriate element installed. Elements sold separately below. (USA)

Model APM-16 Average-Reading Wattmeter is designed for measuring digital and complex waveforms used in PCS, cellular and other digitally-encoded services. Enables precise average power readings for both digital and analog systems. Frequency range 2Mhz - 2.3Ghz, power range <1W to 1000W with appropriate element installed. Elements sold separately below. (USA)

Cat. No.	Mfr. No./Description	Frequency Range	Watts	Each
258-004	43 Thruline Wattmeter	N/A	N/A	$283.00
258-006	CC1 Carry Case	N/A	N/A	47.50
258-007	50C Element for 258-004	100-250Mhz	50	73.00
258-008	25D Element for 258-004	200-500Mhz	25	73.00
258-009	50D Element for 258-004	200-500Mhz	50	73.00
258-010	5E Element for 258-004	400-1000Mhz	5	73.00
258-011	10E Element for 258-004	400-1000Mhz	10	73.00
258-012	25E Element for 258-004	400-1000Mhz	25	73.00
258-013	50E Element for 258-004	400-1000Mhz	50	73.00

Cat. No.	Mfr. No./Description	Frequency Range	Watts	Each
258-005	APM-16 Avg.-Reading Wattmeter	N/A	N/A	$799.00
258-006	CC1 Carry Case	N/A	N/A	47.50
258-014	APM-5E Element for 258-005	400-1000Mhz	5	226.00
258-015	APM-10E Element for 258-005	400-1000Mhz	10	226.00
258-016	APM-50E Element for 258-005	400-1000Mhz	50	226.00
258-017	APM-1L Element for 258-005	1.7-2.2Ghz	1	226.00
258-018	APM-2.5L Element for 258-005	1.7-2.2Ghz	2.5	226.00
258-019	APM-5L Element for 258-005	1.7-2.2Ghz	5	226.00
258-020	APM-10L Element for 258-005	1.7-2.2Ghz	10	226.00

Other elements not listed above are available by special order Call Jensen's 24 Hour/7 Day FaxBack, 602-453-2671 for complete specifications and available elements. Request document #258004

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



PROGRESSIVE ELECTRONICS

CATV Tone Test Kit

- For CATV, video technicians
- Trace and ID CATV Cables
- Tones through splitters

Designed for technicians installing and maintaining CATV and CCTV cabling. Identifies unidentified or mis-tagged drops. Transmitter injects tone onto any coax terminated with an F connector or use the adapter to connect to distribution cables or twisted pairs: sends signal through splitters, traps, and directional couplers. Indicates continuity and presence of voltage on the line. Receiver can pick up the tone on terminated and unterminated or shorted cables, a direct connection is required in the presence of passive devices. Kit includes tone generator, tracer, F-to-F cable, F-to-alligator clips cable and case. Requires two 9V batteries sold separately. (USA)

Cat. No.	Mfr. No./Description	Each
565-402	402K CATV Tone Test Kit	$140.00
473-005	9V Alkaline Battery	3.15



BIDDLE INSTRUMENTS

Handheld TDR

- Perfect for Telecom, CATV, wireless and power cables
- Large easy-to-see display

This battery powered, handheld TDR can identify many types of faults on any cable consisting of at least two insulated metallic conductors. It has internal matching networks of 25, 50, 75 and 100 Ohms. The balance and velocity of propagation controls allow you to closely match any cable. It has a measurement range of 30 to 9000' with resolution of four inches. The unit autoranges around the cursor giving the best view of the fault. The large back lit display is easy to read. Includes case, leads, manual and 6 AA batteries. 9 x 4.5 x 1.9", 1.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-501	510E TDR	$1450.00

For replacement batteries, see page 282



IDEAL

MiniTracker Tester

- Checks for opens and shorts on single and multiple runs

Designed for CATV, CCTV, satellite TV, broadcast video and building/home automation systems, the MiniTracker consists of a main unit and four remote, color-coded F-type terminators. Each terminator has a unique resistor value and they are used to identify up to four different cable end points and cable routings. Test for continuity, opens, or shorts in multiple or single runs of coax and identify individual or multiple runs joined with a splitter (900 MHz). An integral tone generator is included to help you locate wires, and a voltage detection feature will light a warning LED if voltage is present on the line. 6V battery included. (USA)

Cat. No.	Description	Each
600-157	MiniTracker Tester	$86.95



BIDDLE INSTRUMENTS

General Purpose TDR

- Dual input and output ports
- 15 memories

An advanced TDR for identifying cable faults. Use it on telephony cables and graphically view any faults or line activity such as opens, shorts, taps, branches, load coils, transformers, capacitor networks, splices, water saturations and crosstalk in a range up to 48,000' (16km). It is completely adjustable, so even minor faults far out on the cable can be identified. With dual ports and 15 trace memories, you can perform comparative tests. RS232 port and included software lets you print or download your trace memories. Includes case, test leads, manual and six AA batteries. 9.8 x 7.9 x 4.3", 3.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-535	CFL535E TDR	$2750.00

For replacement batteries, see page 282

Tone Plug & Noise Plug



- Extremely compact audio test equipment
- No batteries required

The **TONE PLUG** is an 11 function, audio system test generator. It produces five sine wave tests signals at 100, 250, 400, 1K and 10Khz. It also includes six additional special function tests consisting of: VLF sub-woofer test, multi-frequency pulse, amplitude sweep tone, trace tone, auto frequency stepping and phantom power indication. Extremely useful for troubleshooting, analysis and calibration of audio systems and components.

The **NOISE PLUG** is a complete precision pink noise generator. It consists of an ultra wideband, avalanche junction white noise source. The output is frequency limited, amplified and passed through a precision -3dB per octave low pass filter resulting in a full audio spectrum noise source with equal energy distribution in all octaves. Ideal for checking over all audio system operations, adjusting speaker crossover points and balance, checking frequency response of amps, tape decks and other audio components, and adjusting system equalization.

Cat No.	Description	Each
193-001	Tone Plug	$49.95
193-002	Noise Plug	49.95



Thomas&Betts

Snap-N-Seal® Installation Tool & Environmentally Sealed Connectors



- Minimizes signal leakage
- Perfect for outdoor & indoor applications

Snap-N-Seal® connectors are environmentally sealed to protect drops from harsh environments. Through a unique 360º compression process, Snap-N-Seal® connectors also offers signal leakage protection required for today's demanding systems. The IT1000 includes a built in stripper to prepare the cable and the crimper to properly install the connectors. (USA)

Cat. No.	Description	Each
462-125	IT1000 Crimp/Strip Tool	$68.95
462-126	RG6 Snap-N-Seal® "F" Connectors, 50/pk.	34.00
462-127	RG6QS Snap-N-Seal® "F" Connectors, 50/pk.	34.00
462-128	RG59 Snap-N-Seal® "F" Connectors, 50/pk.	34.00

Handheld Digital Signal Level Meter



- Autoranging attenuator
- Backlit LCD graphic display
- FM demodulator provides audio output

The ST5128 uses RF signal processing techniques and microprocessor technology to produce quick and accurate signal measurements. The meter provides the user the choice of viewing individual channel power readings, a single channel spectrum, a multiple channel spectrum, or an all channel spectrum. Automatic internal calibration corrects for measurement variations due to frequency response, temperature changes, and internal attenuator settings. The combination of keypad tuning and menu driven displays allow for simple operation to get needed signal measurements. The meter is programmed with both USA CATV and VHF/UHF NTSC standard formats. Specific frequencies for signal testing can be user selected. Includes rechargeable batteries and AC charger.

Frequency Range	46MHz to 860MHz
Frequency Stability	<30 ppm
Frequency Accuracy	15kHz
Tuning Increment	10kHz
I.F. Bandwidth	300kHz
Input Range	-40dBmV to +60dBmV
Input Impedance	75 ohms

Cat. No.	Description	Each
200-001	Digital Signal Level Meter	$895.00

Impedance Meter



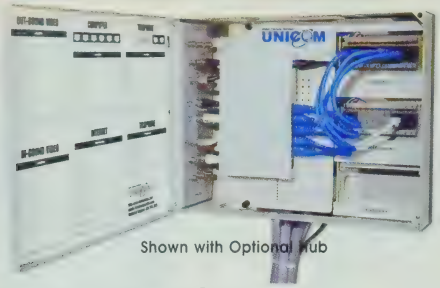
- Measures speaker line impedances

Designed to measure actual impedance of speaker and other lines from under 5-100k Ω. Provides accurate direct readings in the manner of a circuit meter. Simply disconnect the speaker line from the amplifier and connect it to the measuring leads. Range selector switch allows the selection of three ranges. Fully portable, operates on four AA batteries included. Complete with carrying case, test leads and impedance-to-power reference chart.

Cat. No.	Description	Each
157-001	TOA Impedance Meter	$420.00

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Shown with Optional Hub

UniHome Network Box

- Perfect for home wiring systems
- Handles network, CATV and telephone
- Total solution in one box

A home wiring system that is designed to be in compliance with TIA-570-A residential wiring standards and the EIA-600 Consumer Electronics Bus (CE Bus). UniHome Box provides the user with a great solution for centrally managing wiring and network communications. Standard features include support for outside services such as Telco, satellite, and cable television. In-house devices supported include telephone, television, data devices, and internal video source distribution.

With it's open architectural design and the installation of Category 5/5E twisted pair and RG-6 coaxial cable, the system can connect devices and appliances from a variety of different sources. It allows for the connection of outside peripherals such as computers, printers, telephones, fax machines, VCR's, and security cameras. Since UniHome supports the transmission of broadband signals, current and future services can be used such as high-speed Internet access via cable modem, interactive television, HDTV, and digital satellite television. With an Ethernet hub installed, you can provide Internet access, file and print sharing, and run multimedia applications to all the networked computers throughout the home.

Unit includes 6-port computer module for Fast Ethernet networks, 6-port telephone module for telephone, 1-port CATV input, 8-port In-bound/Out-bound video module, mounting plate for hub or switch connection, five 1 ft. Cat5E patch cords, one 7 ft. telephone patch cord, and extra space for an additional module.

Cat. No.	Description	Each
780-422	UniHome Network Box	$325.00
780-423	6-port CAT5 Data Module	40.00
780-424	6-port Telephone Module	35.00
780-425	CATV/Satellite Surge Protector	8.50

Specifications		
Interface:	In-Bound video:	8 x F (Female)
	Out-Bound video:	8 x F (Female)
	Data Module:	6 x Category 5e RJ-45/110
	Telephone Module:	6 x Category 3 RJ-45/110
	Space Module:	For Expansion
Impedance:	In-Bound video:	75 ohm
	Out-Bound video:	75 ohm
	Data:	100 ohm
	Telephone:	100 ohm
Bandwidth:	In-Bound video:	DC to 1 GHz
	Out-Bound video:	DC to 1 GHz
	Data:	Up to 100 MHz
	Telephone:	Up to 10 MHz
Distance:	In-Bound video:	RG-6 cable, up to 50 meters
	Out-bound video:	RG-6 cable, up to 50 meters
	Data:	Category 5e UTP, to 100 meters
	Telephone:	Category 5e/5/3 UTP, to 100 meters
Enclosure:	Metal	
Dimensions:	14.125 x 10.5 x 4.25"	

IDEAL

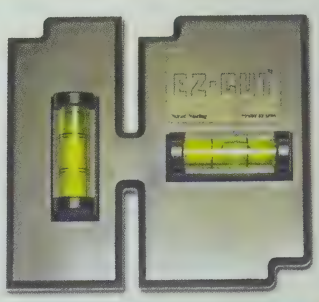
Data T-Cutter



Designed to cut round communication cable, while maintaining the cable geometry for better cable performance. Precision ground and hardened steel for rugged use, long service. Comfort grip that increases handling ease. Cuts coaxial cable up to RG-9U, multi-pair cable up to .5" and solid and stranded wire up to 10 AWG. Includes a center conductor cutting hole to trim steel reinforced center conductors.

Cat. No.	Description	Each 1-4	5-11
600-049	Data T-Cutter	$17.00	$16.15

Professional Level and Template Tool



Quick and accurate installation of electrical boxes for telephone, LAN, electrical circuits, television or other wire cable applications. Use as template for single and dual gang electrical boxes. Built-in levels for both configurations. (USA)

Cat. No.	Description	Each 1-5	6-11
223-001	Level and Template Tool	$12.95	$11.65



Category 5E Bulk Cable

- Manageable 100 meter roll
- Ideal for small jobs & home network installs

FASTRAK350 Cat5E cable is a 350 MHz wiring solution designed for Gigabit Ethernet and high-speed applications. It provides Power Sum performance for any combination of transmission schemes. With a minimum of 3dB headroom, it meets and exceeds EIA/TIA 568 Cat5E standards. Cable is footage marked in descending lengths for easy identification of remaining cable. Color is blue only.

Cat. No.	Description	Each
780-421	Category 5E Bulk Cable	$39.95



Bulk Cables

Jensen offers you quality cable for many installations. All of our cables are UL and CSA approved. Color may vary. (USA)

Belden



Unshielded Twisted Pair, Solid Conductor

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
	Category 5 *(100MHz), 2 & 4 Pair, 24 Gauge, Solid Conductor, PVC, NEC Class 2*		
755-158	Belden 1588A, 2 Pair, Gray	$90.00	$82.80
755-153	Belden 1583A, 4 Pair, Gray	117.00	107.64
	Category 5 *(100MHz), 4 Pair, 24 Gauge, Solid Conductor, Plenum, NEC Class 2P*		
755-155	Belden 1585A, 4 Pair, Natural	268.00	246.56



Unshielded Twisted Pair, Stranded Conductor

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
	Category 5 *(100MHz), 4 Pairs, 24 Gauge, Stranded Conductor, PVC Jacket, NEC Class 2*		
780-540		$140.00	$128.80
	Category 4 *(20MHz), 2 Pairs, 24 Gauge, Stranded Conductor, PVC Jacket, NEC Class 2*		
780-355		78.00	71.76



Unshielded Twisted Pair Cable

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
502-205	Category 5, 100 Mhz Stranded Conductor, 4 Pair, PVC	$110.00	$101.20
502-206	Category 5, 100 Mhz Solid Conductor, 4 Pair, PVC	90.00	82.80
502-207	Category 5, 100 Mhz Solid Conductor, 2 Pair, PVC	74.00	68.08



Flat Satin Line Cord

Perfect for wiring telephones, terminals, and other low speed devices. UL and CSA tested.

Cat. No.	Cost per 500' roll 1-4	5-9	Description	Level/ Cat	Cat. No.	Cost per 1000' roll 1-4	5-9
966-428	$35.50	$32.66	4 Cond, 26 Ga. Stranded	2	502-520	$68.00	$62.56
966-628	55.25	50.83	6 Cond, 26 Ga. Stranded	2	502-522	108.00	99.36
966-800	70.00	64.40	8 Cond, 26 Ga. Stranded	2	502-524	139.00	127.88

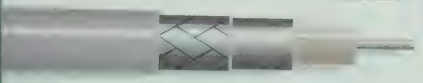
Belden



Coax Cable

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
755-365	Belden 8241, RG-59 PVC, 75Ω, Black	$170.00	$156.40
755-375	Belden 9114, RG-6 PVC, 75Ω, Black	100.00	92.00

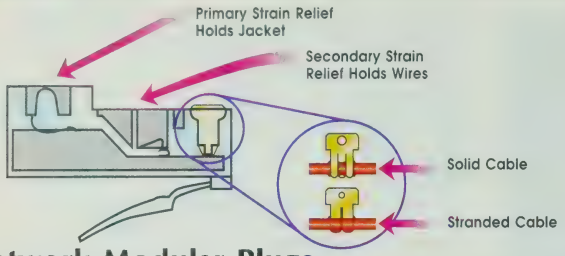
Belden

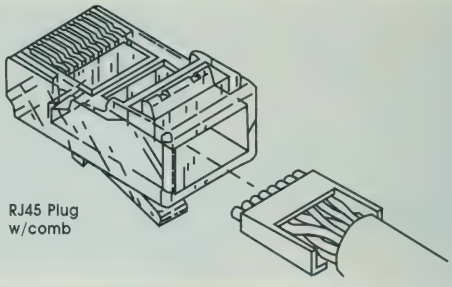


Ethernet Coax Cable

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
	Thinnet *(RG-58a/u) PVC, NEC Class 2, 20 Gauge Stranded Conductor, 50.0Ω 0.18" dia*		
755-907	Belden 9907, Gray	$166.00	$161.02
	RG-58u *PVC, NEC Class 2, 20 Gauge Solid Conductor, 53.0Ω 0.195" dia.*		
755-920	Belden 9201, Black	140.00	128.80

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Network Modular Plugs

Note: Read Tool Tip below regarding AMP plugs and plugs w/combs.

Cat. No.	Description	Qty	Each
	Plugs for round solid unshielded twisted pair cable		
80-681	RJ-45 AMP Plugs (USA)	100	$67.00
80-040	RJ-45 AMP Plugs w/Comb (USA)	100	70.00
502-580	RJ-45 Plugs	50	19.00
	Plugs for round stranded unshielded twisted pair cable		
80-686	RJ-45 AMP Plugs (USA)	100	$65.00
80-060	RJ-45 AMP Plugs w/Comb (USA)	100	66.00
502-588	RJ-45 Plugs	50	19.00
502-002	RJ-45 Plugs w/Comb	50	55.00
	Plugs for round solid shielded twisted pair cable		
80-050	RJ-45 AMP Shielded Plugs (USA)	100	$152.00
502-810	RJ-45 Shielded Plugs	50	80.00


RJ-45


RJ-11

Telephone Modular Plugs

Cat. No.	Description	Qty	Each
	Plugs for flat satin cable		
80-337	RJ-22 AMP Handset Plugs (USA)	100	$22.00
966-344	RJ-22 Handset Plugs	100	15.00
80-631	RJ-11 AMP Four Contact Plugs (USA)	100	22.00
966-346	RJ-11 Four Contact Plugs	100	15.00
80-675	RJ-11 AMP Six Contact Plugs (USA)	100	22.50
966-366	RJ-11 Six Contact Plugs	100	18.00
80-995	RJ-45 AMP Plugs (USA)	100	65.00
966-388	RJ-45 Plugs	50	19.00
80-680	RJ-11 AMP MMJ DEC Plugs (USA)	100	51.00
178-555	RJ-11 MMJ DEC Plugs	100	22.50
	Plugs for solid round cable		
80-688	RJ-11 AMP Four Contact Plugs (USA)	100	$29.00
502-064	RJ-11 Four Contact Plugs	100	17.00
80-689	RJ-11 AMP Six Contact Plugs (USA)	100	26.00
502-066	RJ-11 Six Contact Plugs	100	19.00


RJ-11 DECconnect


Handset RJ-22

Snagless Boots for RJ-45 Plugs



Color code your RJ-45 cables with these strain relief snagless boots. Prevents kinking at the plug and provides coverage of the latch making it easy to pull the cable without snags.

Cat. No.	Description	Each
502-040RD	Red Boot	$.45
502-040GR	Green Boot	.45
502-040BL	Blue Boot	.45
502-040WH	White Boot	.45
502-040BK	Black Boot	.45
502-040YL	Yellow Boot	.45

Tool Tip

RJ-45 Plugs w/Comb

RJ-45 plugs with a comb are intended for CAT 5 applications. The comb aids in keeping a maximum distance of $^1/_2$" from the last twist, the most allowed to achieve Category 5 performance. This helps insure that the expert or novice installer has terminated a proper plug. The crimp tools needed for these plugs must only crimp the primary strain relief.

AMP plugs w/comb must be crimped with AMP frame 80-020 and die 80-007. Standard AMP RJ-45 plugs must be used with a die designed to crimp AMP plugs. Go to our Crimp Tool section starting on page 151 and carefully read the descriptions.

AMP Champ 25-Pair Telephone Connectors

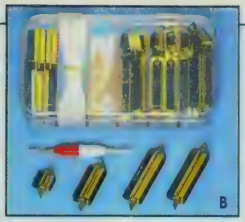


Champ insulation displacement provides low-cost and easy termination of unstripped cable. Copper alloy contacts with 30 micro-inches of gold. For installation tool, see page 151. (USA)

Cat. No.	Description	Price
80-073	50 Position Plug	$6.95
80-063	50 Position Receptacle	6.95

D-Subminiature Connector Kits

Jensen connector kits offer you an easy solution to building D-subminiature connectors for RS-232 and other interfaces. You can order one part number and receive everything you need to build several connections.











D-Subminiature Kits

23-249 RS-449 Kit with Stamped Pins (B) — $72.00

- 100 Pins, Male
- 100 Pins, Female
- 6 ea.: DB-9, DB-25, DB-37 Plugs M
- Cable Ties
- Metal Tip Pin Inserter/Extractor
- 3 ea.: DB-9, DB-25, DB-37 Plugs F

23-232 RS-232 Kit with Stamped Pins (C) — $65.00

- 100 Pins, Male
- 100 Pins, Female
- 16 DB-25 Plugs M
- 6 DB-25 Plugs F
- Cable Ties
- Metal Tip Pin Inserter/Extractor

Mil-Spec Kits

80-232 RS-232 Kit (A) — $143.00

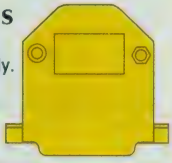
- 100 Pins, Male
- 100 Pins, Female
- 12 DB-25 Plugs M
- 6 DB-25 Plugs F
- Cable Ties
- Metal Tip Pin Inserter/Extractor
- Metal Case
- 12 Hoods

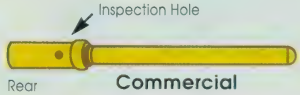
80-249 RS-449 Kit (A) — $175.00

- 100 Pins, Male
- 100 Pins, Female
- 6 ea.: DB-9, DB-25, DB-37 Plugs M
- 3 ea.: DB-9, DB-25, DB-37 Plugs F
- Cable Ties
- Metal Tip Pin Inserter/Extractor
- Metal Case
- 6 Hoods ea. size

D-Subminiature Connectors

Pins and connectors are designed to fit together. Order from the corresponding section only.





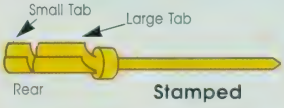
Connector Covers/Hoods

Cat. No.	Description	Each 1-4	5-11
80-135	Plastic Hood DB-9	$2.75	$2.20
80-531	Plastic Hood DB-25	2.75	2.20
80-133	Plastic Hood DB-37	3.35	2.68
502-009	Metal Hood DB-9	3.00	2.40
502-025	Metal Hood DB-25	3.00	2.40
502-037	Metal Hood DB-37	3.50	2.80
80-199	Male Screwlocks	.75	.60
80-528	Female Screwlocks	1.25	1.00

Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
378-952	Machined Pins, M, 100/pk.	$17.95	$14.36
378-953	Machined Pins, F, 100/pk.	29.95	23.96
378-006	DB-9 Plug M	1.95	1.56
378-005	DB-9 Plug F	1.75	1.40
378-008	DB-25 Plug M	2.50	2.00
378-007	DB-25 Plug F	2.00	1.60
378-002	DB-37 Plug M	2.50	2.00
378-001	DB-37 Plug F	2.50	2.00





Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
80-489	Mil-Spec Pins, M, 100/pk.	$18.00	$14.40
80-480	Mil-Spec Pins, F, 100/pk.	26.00	20.80
80-539	DB-9 Plug M	1.60	1.28
80-540	DB-9 Plug F	1.65	1.32
80-538	DB-25 Plug M	2.25	1.80
80-537	DB-25 Plug F	1.75	1.40
80-536	DB-37 Plug M	2.50	2.00
80-535	DB-37 Plug F	2.00	1.60

Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
658-025	Stamped Pins, M, 100/pk.	$3.75	$3.00
658-520	Stamped Pins, F, 100/pk.	3.95	3.16
658-901	DB-9 Plug M	.85	.68
658-900	DB-9 Plug F	.85	.68
502-060	DB-15 Hi-Density Plug, M	1.95	1.56
502-061	DB-15 Hi-Density Plug, F	1.95	1.56
658-955	DB-25 Plug M	.95	.76
658-905	DB-25 Plug F	.95	.76

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JONARD

Contact Insertion and Removal Kits

➥ Front release contacts

Insert and remove contacts on connectors conforming to MIL-C-26482 and MIL-C-26500: Amphenol, Bendix, Burndy, Cannon, Cinch, Continental, Deutsch, Elco, Flight, Pyle National, etc. Strong durable tool steel probes. **Kits** include one each of sizes 12 (yellow), 16 (blue) and 20 (red) tools in zipper case. (USA)

Cat. No.	Description	AWG	Mil Spec	Each
Insertion Tools				
924-260	Contact Insertion Kit	–	–	$114.00
924-160	Insertion Tool	16	M81969/17-04	34.95
924-200	Insertion Tool	20	M81969/17-03	34.95
Removal Tools				
924-261	Contact Removal Kit	–	–	130.00
924-416	Removal Tool	16	M81969/19-08	41.50
924-420	Removal Tool	20	M81969/19-07	41.50



Pin & Socket Extraction Tool

➥ Front release contacts

Designed for size 16 pin and socket contacts, it features a handle and sleeve to release the contact lance and a push rod button to eject the contact.

Cat. No.	Description	Each
80-183	Pin & Socket Extraction Tool	$15.50



AMP

Insertion/Extraction Tool

Handle provides storage space for tips and hex wrench. Six insertion/extraction tips are color coded. Color legend is molded into handle body. Tips handle D-Sub RS-232, HD-20 and HD-22 contacts including posted contacts. (USA)

Cat. No.	Description	# Tips	Each
80-719	Insertion/Extraction Tool	6	$17.95

Insertion/Extraction Tools

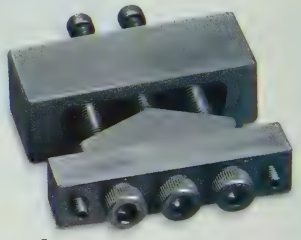


➥ QPL-81969 approved

➥ Metal tips

For use with MS-81969 rear release connectors. One end of tool used to insert contacts and the other to extract. Color-coded to indicate contact size. **80-044** and **80-080** are for high density connectors. (USA)

Cat. No.	Description	Color	Contact Size	Each
113-001	Insert/Extract Tool	Green	22	$5.50
80-672	Insert/Extract Tool	Red	20	5.50
113-003	Insert/Extract Tool	Blue	16	5.50
80-044	Insert/Extract Tool, HD	Green	22	5.50
80-080	Insert/Extract Tool, HD	Red	20	5.50

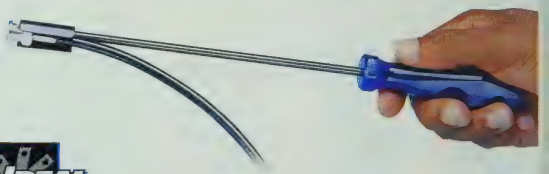


Panel Punches For D-Subminiature Plugs Receptacles

➥ Precision punching of mounting holes

Punch/die units will punch holes for mounting the RS-232 (25 pin). RS-449 (9, 15, or 37 pin) standard D-Subminiature plugs and receptacles. Capacity: 22 to 16 gauge steel or aluminum. Mounting holes are accurately located and pin-pricked before punching. All fasteners are socket headed and hex wrenches are provided. All models can be reground to sharpen. Comes with 25 adhesive-backed templates to aid in positioning holes. (USA)

Cat. No.	Description	# Pins	Each
879-009	RS-449 Punch	9	$153.00
879-015	RS-449 Punch	15	153.00
879-001	RS-232 Punch	25	153.00
879-037	RS-449 Punch	37	153.00
879-259	Templates, 25/pkg.	9	5.25
879-255	Templates, 25/pkg.	15	5.25
879-125	Templates, 25/pkg.	25	5.25
879-257	Templates, 25/pkg.	37	5.25



IDEAL

BNC Connector Removal Tool

➥ Factory lifetime warranty

The easy answer to removing BNC connectors in high density or hard-to-reach locations. Sure grip plastic handle. Works on crimp and twist on connector. (Taiwan)

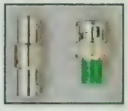
Cat. No.	Description	Blade Size	Each
240-815	BNC Connector Removal Tool	12°	$21.95
600-850	BNC Connector Removal Tool	8°	21.95
600-004	BNC Connector Removal Tool	4 1/2°	21.95

BNC Connectors & Adapters

➥ Consistent quality







Cat. No.	Description	Each 1-10	11+
BNC 3-Piece Crimp-On Connectors			
80-122	Fits generic RG-58A/U and /U w/outer diameter of about 0.19" and PVC jacket	$2.50	$2.42
99-793	Fits Plenum versions of above and Belden 9907 Thinnet cable	2.50	2.42
99-125	RG-59	1.75	1.70
99-401	RG-6	2.00	1.94



502-010



502-011



502-012

Cat. No.	Description	Each 1-10	11+
BNC Adapters			
80-221	BNC Barrel Connector, F to F	$3.50	$3.40
80-543	BNC "Tee", F to M to F	3.50	3.40
80-162	BNC Terminator, 50°	3.00	2.91
502-010	BNC Y Adapter, 180°	5.50	5.34
502-011	BNC Y Adapter, 90°	5.50	5.34
502-012	BNC F Adapter	5.50	5.34

JENSEN® Solderless Terminals

Cat. No.	Description	AWG		100/pk.
204-301	Female Quick Disconnect	22-18		$6.95
204-302	Female Quick Disconnect	16-24		6.95
204-304	Butt Splice	22-18		6.50
204-305	Butt Splice	16-14		6.50
204-306	Butt Splice	12-10		7.95
204-308	Female Ring Terminal, 5-6 stud	22-18		6.25
204-309	Female Ring Terminal, 10 stud	22-18		6.50
204-311	Spade Terminal, 4-6 spade	22-18		6.25
204-312	Spade Terminal, 10 spade	22-18		6.25
204-316	Ring Terminal, 5-6 stud	16-14		6.25
204-318	Ring Terminal, 10 stud	16-14		6.50
204-319	Spade Terminal, 6 stud	16-14		6.50
204-321	Spade Terminal, 10 stud	16-14		6.25
204-324	Ring Terminal, 10 stud	12-10		7.50
204-325	Ring Terminal, 1/4" stud	16-14		8.75
204-326	Spade Terminal, 10 stud	12-10		7.50
204-328	Male Quick Disconnect Blue	16-14		6.50
204-335	Male Quick Disconnect Red	22-18		6.50
204-352	Closed Splice	22-14		5.50
204-353	Dead End Splice	18-10		6.50



JENSEN® Solderless Terminals

500 pieces in 20 different types and sizes and a wire stripper/crimping tool. Tool crimps insulated terminals, strips wires and cuts bolts in five different sizes. Comes in a metal box. (USA)

Cat. No.	Description	AWG	Each
23-090	Solderless Terminal Kit w/Tool	10-22	$69.95
80-521	Tool only	–	12.00

3M

Solderless Terminals

1300 pieces in 13 varieties, made to exacting tolerances. **Kit** is housed in a sturdy plastic cabinet with 20 separate drawers. A crimping tool can be stored in a large bottom drawer. Replacement parts are available (see chart above) in packs of 100. (USA)



Cat. No.	Description	Each
23-185	Solderless Terminal Kit	$89.00
352-020	20 Drawer Cabinet only	17.50

Solderless Terminals



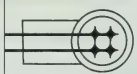
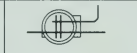
2000 of the most popular insulated terminals in 20 different styles plus 100 7 1/2" cable ties. Metal storage box has a small compartment for each terminal type plus a large compartment for cable ties. Refills are available in packs of 100. Replacement list included. **1-334** includes a ratcheting crimper with insulated terminal die and saves you money. 10-22 AWG. (USA)

Cat. No.	Description	AWG	Each
23-210	Solderless Terminal Kit	10-22	$129.00
1-334	Terminal Kit w/Ratcheting Crimper	10-22	165.00
896-021	Box Only	–	18.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

3M Scotchlok™ Connectors & Kit

These connectors are used to make fast splices and taps on solid copper wires without stripping. They come with environmental sealant and are for PIC and pulp/paper cables. Use the chart to select the proper connector. (USA)

Mfr. No.		Wiring	Cat. No.	Quantity	Each
UR2			251-041	100	$11.75
UR			251-649	100	15.25
UY2			251-044	100	13.75
UY			251-650	100	11.75
UAL			251-048	100	21.00
UG			251-651	100	20.00

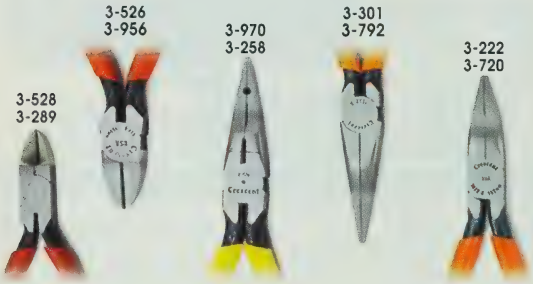
Telecom Splices

- Quick connections
- Weatherproof seal



Red (UR) Connectors provide three openings for 19-26 AWG wire, ideal for pigtail and load coil splice applications. **Yellow (UY) Connectors** are used for 22-26 AWG. **Green (UG) Connectors** tap onto 19-26 AWG wires. Solid conductor wires only. **The Telecom Splice Kit** includes 100 of each type of connector in a rugged transparent box. (USA)

Cat. No.	Description	Range	Each
1-279	Telecom Splice Kit	19-26 AWG	$40.00
251-649	Red (UR) Connectors, 100 pc.	19-26 AWG	15.25
251-650	Yellow (UY) Connectors, 100 pc.	22-26 AWG	11.75
251-651	Green (UG) Connectors, 100 pc.	19-26 AWG	20.00
37-006	Optional Crimping Pliers		21.50



Crescent®

Telecom Pliers

- Bell spec'd designations
- Regular and oxide tipped

Diagonal cutters in 5 and 6" lengths, long nose with and without cutters, and short nose for close work on blocks. Each version available with or without aluminum oxide coating. Coating helps prevent accidental shorting out of adjacent terminals and subsequent interruption of service. (USA)

Cat. No.	Bell Type	Non-Coated style	Each
3-528	BV	Diagonal Cutter, 5"	$19.95
3-526	D6	Diagonal Cutter, 6"	19.95
3-970	L1	Long Nose w/Cutter, 6 1/2"	28.00
3-301	B LN	Long Nose w/o Cutter, 6 1/2"	14.25
3-222	B SN	Short Nose, 6"	15.50

Cat. No.	Bell Type	Oxide Coated style	Each
3-289	CV	Diagonal Cutter, 5"	$27.95
3-956	E6	Diagonal Cutter, 6"	28.00
3-258	L2	Long Nose w/Cutter, 6 1/2"	32.50
3-792	D LN	Long Nose w/o Cutter, 6 1/2"	22.50
3-720	C SN	Short Nose, 6"	22.75

PRO AMERICA PREMIUM TOOLS

NE Style Lineman's Pliers



- Lifetime factory warranty
- Crimper and insulation crusher

Features crimper and insulation crusher behind the lap joint. Textured non-slip grips, 3/4" side cutter. (USA)

Cat. No.	Description	Each
671-030	NE Style Lineman's Pliers, 9 1/2"	$26.50



Thomas&Betts

Propak Electrical Kits

Perfect kits for HVAC, maintenance, automotive, MRO technicians & do-it-yourselfers. Each kit contains a combination of cable ties, wire connectors, terminals, and crimp terminals. Propak Plus contains a larger variety and also includes staples and heat shrink tubing.

Cat. No.	Description	Each
462-060	Propak Electrical Kit	$22.00
462-061	Propak Plus Electrical Kit	42.00



RACK-A-TIERS®

Rack-A-Tiers

A multi-purpose wire stand that will hold most common wire spools up to 30". Available as a set of two. They are easy to set up and to transport to any work location. In addition to holding wire spools, the two 'V' notches on the top make an excellent pipe vise to hold rod and pipe from 1/4" to 4" diameter. They also make a convenient saw horse or small workbench to help get work off the ground. Made of durable plastic that will hold up for many years of use.

Cat. No.	Description	Each
134-114	Rack-A-Tiers Wire Stand	$86.00

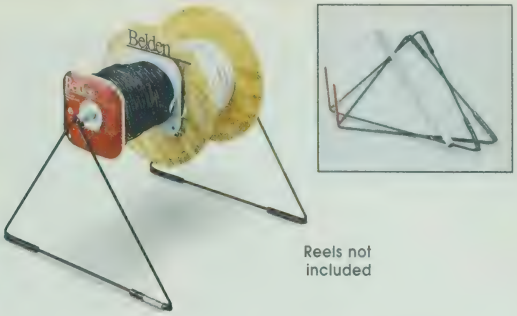


Reel Holders

451-001 accepts any reel up to 2,000 lbs. Bolt together steel construction. Locking front roller for loading, adjustable rear roller. 4 1/2 x 9 x 29 1/2", 52 lbs.

451-002 handles multiple reels up to 16" diameter, 17" width. 250 lbs. capacity. 1/2" steel spool bars. 6" rubber tires. 43 x 24 x 22", 32 lbs. (USA)

Cat. No.	Description	Each
451-001	Spool Roller	$360.00
451-002	Spool Cart	195.00



Wire Reel Holder

Collapsible holder, easy to store. 18" tube holds smaller wire reels for installations. Accommodates 25" diameter reels, holds 300 lbs. Two tripods with rubber feet. (USA)

Cat. No.	Description	Each
711-030	Wire Reel Holder	$46.95



Handy Wheels



Simple rugged device for measuring distances up to 10K', and accurate to within 1". Wheels are a high visibility orange and have a kickstand. Telescoping handle makes storage easy. Available in 10" and 19". A digital version is also available in a 15" size that will measure in feet/inches, feet/hundredths, or meter/centimeters. LCD display shows six digits and measures up to 10K'. Two counters capture incremental and total measurements in just one pass. Zippered carry case provided with each wheel. Lifetime manufacturer warranty. (USA)

Cat. No.	Description	Each
468-001	10" HandyWheel	$84.95
468-002	19" HandyWheel	99.95
468-003	15" Digital HandyWheel	109.95

Cable Pulling Videos

- Train new hires quickly & easily
- Establish cable pulling guidelines to increase efficiency
- Decrease install time & prevent costly mistakes

The Cable Pulling Series from Cabling Installation & Maintenance consists of four 45-minute training sessions that take the telecommunications professional through every aspect of pulling cable in a commercial building. From understanding floor plans and securing cables to pulling techniques and work area issues, The Cable Pulling Series is essential education for both novice and experienced cabling professionals alike.

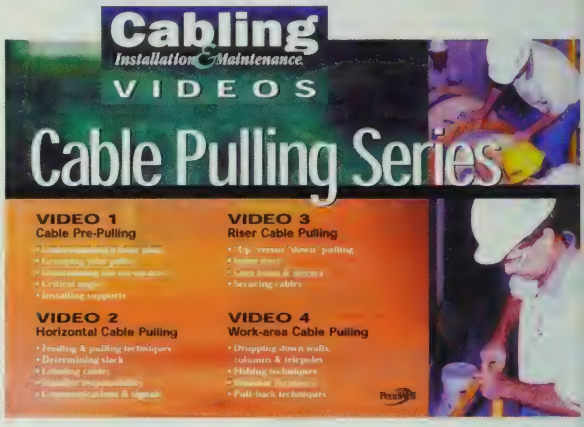
Tape #1 teaches how to plan and lay out cable routes prior to installation. Determine routes, pathways and the order in which cable should be pulled and how to read floor plans and layouts.

Tape #2 shows horizontal pulling techniques to increase efficiency in one of the most labor-intensive areas of cable pulling. Instructs the essentials of teamwork and knowing each member's responsibilities.

Tape #3 shows one of the most critical elements in structured cabling; how to install larger cable and the best techniques for securing it.

Tape #4 explains how to drop cable down walls, columns and telepoles, cut holes in dry walls, install box eliminators and pull cable through modular furniture.

Cat. No.	Description	Each
256-001	Cable Pulling Videos (4)	$495.00





GREENLEE

BX-Armored Coiled Cable Dispenser

Dispense BX-armored cable, flexible conduit, Greenfield or Romex fast and easy without twists or tangles. Base has an adjustable tension control that rotates to dispense the cable without overpulling. A large pulling eye rotates freely and can be used as a carrying handle when the dispenser is empty. Capacity: one 250' coil.

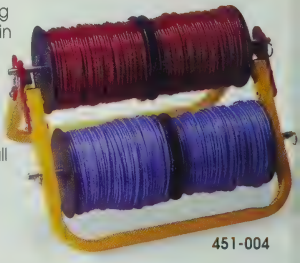
Cat. No.	Description	Each
64-014	BX-Armored Coiled Cable	$198.00



451-003

DataCom & Electrician's Caddy

451-003 DataCom Caddy is a lightweight and easy-to-use folding cable caddy. Engineered for use in data and communication cable installations. Constructed from welded steel tubing, it has one 1/2" diameter solid steel spool support bar that's zinc plated for corrosion resistance and an overall durable powder coated finish. The DataCom Caddy will hold any spooled product up to 16 1/2" wide x 20" diameter.



451-004

451-004 Electrician's Caddy is ideal for carrying multiple spools of wire. It has two 1/2" diameter support bars and zinc-plated R-Clips that hold the spools in place. The Electrician's Caddy will hold one spool up to 16 1/2" wide x 20" diameter or four spools up to 8" wide x 8" diameter. Both have a unique folding mechanism that facilitates convenient transport and storage without having to remove the spool support bars.

Cat. No.	Description	Each
451-003	DataCom Caddy	$79.95
451-004	Electrician's Caddy	84.95

STANLEY

Grip-It Gloves

Designed for outstanding dexterity and superior gripping ability. Perfect for situations where gloves are required but you still need to perform intricate tasks with your hands.



Cat. No.	Description	Each
215-003	Large Grip-It Gloves	$3.50
215-004	Small Grip-It Gloves	3.50

IDEAL

Tuff Grip Fish Tapes

- **Stainless, fiberglass, steel**

Oversized comfortable handle with finger grooves makes pay outs and rewinds smooth and fast. Case maintains positive tension on tape to prevent scrambling. Available with steel, nylon coated fiberglass and stainless tapes. (USA)



Cat. No.	Description	Length	Each
600-073	Steel Fish Tape,	50'	$36.00
600-074	Steel Fish Tape,	100'	52.50
600-075	Steel Fish Tape,	200'	72.00
600-076	Fiberglass Fish Tape,	50'	125.00
600-077	Fiberglass Fish Tape,	100'	175.00
600-166	Stainless Fish Tape,	100'	68.00
600-167	Stainless Fish Tape,	200'	88.75

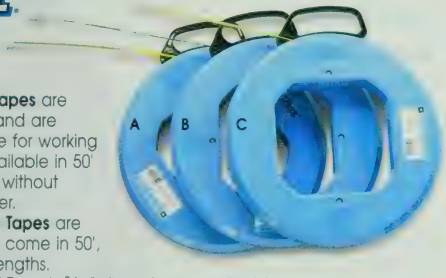
IDEAL

Fish Tapes

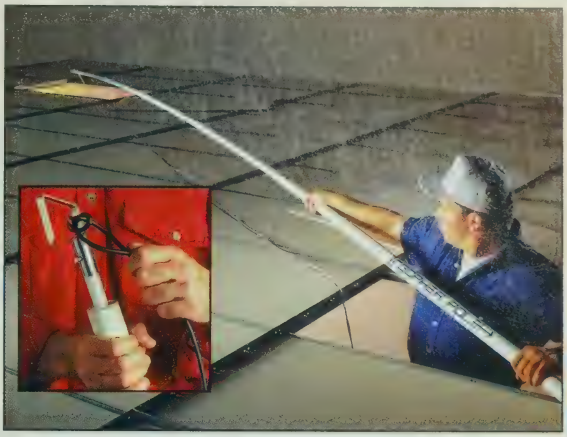
Fiberglass Tapes are nylon coated and are non-conductive for working live circuits. Available in 50' lengths with or without "goldfish" leader.

Spring Steel Tapes are 1/8" x .060" and come in 50', 100' and 200' lengths.

Multi-Strand Tape is 3/16" diameter, more flexible than spring steel and comes in 50' length.



Cat. No.	Key	Description	Length	Each
600-051	A	Fiberglass Fish Tape w/Leader	50'	$115.00
600-061	A	Fiberglass Fish Tape w/o Leader	50'	103.00
64-050	B	Spring Steel Fish Tape	50'	33.00
64-100	B	Spring Steel Fish Tape	100'	51.00
64-200	B	Spring Steel Fish Tape	200'	67.00
37-500	C	Multi-Strand Fish Tape	50'	80.00



Gopher Pole® Wire Installation Tool

- **Non-conductive fiberglass construction**
- **Telescopes to 22' long in seconds**

Push-pull wire installation tool for fishing wires over long spans or hard-to-reach areas such as suspended ceilings, sub-floors, crawl spaces and attics. Self-contained, no loose parts. Rigid, lightweight (4 lbs.), easy-to-handle. Collapses to 52" x 2" diameter. Optional **Carrying Case** available. One year warranty. (USA)

Cat. No.	Description	Each
402-001	Gopher Pole Wire Installation Tool	$139.00
402-002	Optional Carrying Case	17.50

IDEAL

Rapid-Pak Fish Tapes

- **Rewinds 3x faster**
- **Reversible knob, right or left-hand use**
- **Choose steel or fiberglass tape**

Stationary handle with rotating center hub and reversible winding knob. Sturdy ABS case with funneled tape opening. Available with steel or fiberglass tapes in 50' and 100' lengths. (USA)



Cat. No.	Description	Length	Each
600-082	Steel Fish Tape	50	$51.00
600-081	Steel Fish Tape	100	67.00
600-187	Fiberglass Fish Tape	50	124.00
600-186	Fiberglass Fish Tape	100	165.00

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IDEAL

Tuff-Tote™ Cell Phone Pouch



Heavy, top-grain cowhide cell phone pouch with belt strap protects your phone while on the job site or when conditions get rough. Durable pouch stands up to abuse and the metal clasp locks your phone in so it remains secure at all times.

Cat. No.	Description	Each
600-810	Tuff-Tote Cell Phone Pouch	$18.00

IDEAL

Tuff-Tote™ Shoulder Bag

➥ **Holds tools, connectors, and test equipment**



This tough leather shoulder bag features three interior compartments along with six screwdriver loops. A closing flap provides additional security and protection. A small outside pocket is perfect for small tools, connectors or test equipment needed for the job, in addition there is a flat back pocket that will accommodate slim tools or important papers. 7 x 11 x 3"

Cat. No.	Description	Each
600-811	Tuff-Tote Shoulder Bag	$135.00

IDEAL

Tuff-Tote™ Tool Pouch



Strong leather eight-pocket pouch features large utility compartment with two dividers and six screwdriver loops. There are seven outside pockets that accommodate a wide range of tools, release snaps and a tape chain. The tunnel loop accommodates belts up 2 1/4" wide.

Cat. No.	Description	Each
600-813	Tuff-Tote Tool Pouch	$99.95



GREENLEE

CableCaster™

➥ **Faster cable installations** ➥ **50 foot range**

CableCaster is designed to significantly speed up the installation of lightweight communications cable through hard-to-reach spaces, such as suspended ceilings, rafters and sub-floors. It launches a dart up to 50 feet to the cable supply access point, pulling a durable monofilament line. The cable is attached to the dart, and pulled back with the CableCaster take-up reel. The darts are aerodynamically designed for true and accurate flight and glow in the dark to help locate them in dimly lit areas. An integral flashlight holder on top will accommodate a Mini Maglite and the bright yellow body makes it less likely to leave behind.

Cat. No.	Description	Each
64-015	CableCaster	$62.00
64-011	(4) CableCaster Darts	6.25
686-002	Mini-Maglite w/AA Batteries	14.50

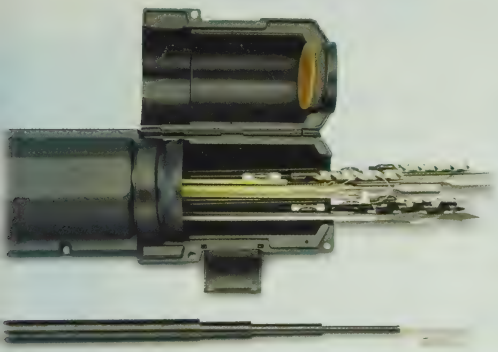
IDEAL

Tuff-Tote™ Ultimate Tool Carrier



Premium leather tool carrier eight-inches square featuring two divided interior compartments, each with six screwdriver loops. Large center compartment accommodates a wide range of tools and supplies the four outside pockets and eight outside tool loops provide easy identification and accessibility to your tools. Utilizes a unique stand-alone design that keeps tools upright and prevents spilling the bottom is oil-and-moisture-resistant reinforced to protect the surfaces you place it on.

Cat. No.	Description	Each
600-814	Tuff-Tote Ultimate Tool Carrier	$179.00





Wire and Cable Installation Tools

- Unique, hard to find tools
- Industry specific kits
- Individual tools available

Wiring low voltage systems such as video & alarm, home automation, telephone, CATV, and data communications in existing structures is difficult because wires must be run in restricted and difficult to access areas These custom designed tools from Labor Saving Devices meet any wiring challenge Designed by a master installer for his own use and now marketed to you, these tools can dramatically cut installation times and help make installations cleaner.

Individual Tool		Kits (see prices at bottom of columns)		
Cat. No.	Description and Use	711-001 Alarm/Security	711-002 CATV, Telecom	Tool Price
711-004	Densiometer locates wood or steel studs and detects AC lines	✔	✔	$59.00
711-005	10' of ball chain with flexible retriever with magnet to fish inside empty walls or walls with stapled insulation	✔	✔	18.75
711-006	Telescoping Pocket Hook Retriever to pull ball chain through 1/4" hole	✔	✔	11.75
711-007	Five 6' long Fiberglass Rods which can screw together for running wires inside insulated walls and over false ceilings	✔	✔	87.00
711-032	Phosphorous version of 711-007 (glows in dark)			175.00
711-009	3' Push/Pull Fiberglass Rod with bullet shaped tips with cross hole on both ends	✔	✔	8.75
711-010	4' Push Only Fiberglass Rod, one end with diagonal flat surface and hole to push wire through top or bottom plate	✔		6.95
711-031	Phosphorus version of 711-010 (glows in dark)		✔	18.75
711-011	6' Phosphorous (glows in the dark) Fiberglass Rod to push or pull wire through top or bottom plate	✔	✔	29.00
711-012	Telescoping Pole 12' to push or pull wire with special tip above false ceilings, over beams, in attics or crawl spaces	✔		87.00
711-029	18' version of 711-012		✔	145.00
711-013	Rubber Caps to protect ends of the 711-011		✔	4.00
711-014	3' Spring Steel Wire Bits (0.047") which can be cut to any length. For making a reference hole to measure from when drilling into specific wall cavity. Set of 10	✔	✔	11.75
711-015	Directional Tool for use with flex bits and extension	✔	✔	12.95
711-016	Spear Bit for drilling wood from any direction. 1/4" x 18"	✔		7.75
711-017	Spear Bit 3/8" x 24"	✔	✔	9.95
711-018	Spear Bit 3/8" x 48"	✔	✔	18.00
711-019	Spear Bit 1/2" x 18"		✔	8.75
711-020	Bellhanger Bit 1/4" x 24"	✔		15.50
711-021	Bellhanger Bit 3/8" x 36"	✔	✔	20.50
711-022	Bellhanger Bit 3/8" x 72"	✔	✔	22.00
711-023	Bellhanger Bit 1/2" x 24"		✔	21.50
711-024	Auger Bit with screw point 3/4" x 18"			26.75
711-025	Kit of Wood Boring Bits 1 1/4", 2', 4', 6' flex shafts and flex shaft extensions			221.00
711-027	1/2" Woven Sleeve for pulling connectorized cables or wire bundles			15.25
711-028	Carrying Case	✔	✔	87.00
	KIT PRICES	$419.00	$500.00	

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ANDREW® Easiax® Plus Automated Cable Preparation Tools

- For Heliax® Foam Dielectric Cable
- For use with standard power drills

Easiax Plus removes cable jacket, outer conductor, foam dielectric, then cuts back and chamfers the inner conductor to the correct dimensions for connector attachment - all in 10 seconds or less. Produces cable connections that are more consistent, repeatable, reliable and weatherproof. Fits standard 3/8 and 1/2" drill chucks. Blade lasts up to 600 cable preparations. Optional T-handle allows manual preparation. (USA)

Drills sold separately on page 240-241

Cat. No.	Mfr. No./Description	For Cable Type	For Connector Type	Each
258-273	CPTL5A Easiax-Plus Automated Cable Preparation Tool	LDF5-50A	L5NM, L5PNM, L5PNM-H, L5PNF, L5PDM, L5PDR, L5PDF, L5PDF-PM, L45R, 12800-1, L45P, L45F, 48041, L45U, L45M, L45L, L45J, L45T, L5PNF-RC, L5PNM-RC, L5PDF-RC, L5PDM-RCVER2, L5PDF-RCVER2	$205.00
258-274	CPTL6 Easiax-Plus Automated Cable Preparation Tool	LDF6-50	L6PNM, L6PNM-PR, L6PNM-H, L6PNF, L6PNF-PR, L6PDM, L6PDF, L6PDM-PR, L6PDF-PR, L6PDF-BH, L46R, L46S, L46F, L46M, L46M-PR, L46L, L46L-PR, L6PNF-RC, L6PDF-RC	205.00
258-275	CPTL7 Easiax-Plus Automated Cable Preparation Tool	LDF7-50	L7PNM, L7PNM-H, L7NF-BH, L7PNF, L7PDM, L7PDF, L7PDF-BH, L47R, L47S, L47F, 201942, L47M, L47L, L7PNF-RC, L7PDM-RC, L7PDF-RCVER2	225.00
258-669	CPT-F4A Easiax-Plus Automated Cable Preparation Tool	FSJ4-50B	F4NMV2, F4PNMV2, F4NMV2-C, F4PNMV2-C, F4NMV2-HC, F4PNMV2-HC, F4NMV2-H, F4PNMV2-H, F4PDMV2, F4PDMV2-C, F4PNRV2-HC, F4PNRV2-H, F4PNRV2	150.00
258-276	Repl. Blade Set for 258-273	-	-	92.00
258-277	Repl. Blade Set for 258-274	-	-	92.00
258-278	Repl. Blade Set for 258-275	-	-	92.00
258-279	Repl. Blade Set for 258-669	-	-	92.00
258-280	Manual T-Handle for All Tools	-	-	15.00

Thomas&Betts BattPac Battery Powered Cable Cutter



Designed to cut ACSR Al and Cu cables up to 1.5", regular guy wires and ground rods up to 5/8". Ideal for aerial bucket work and trench operations. The hydraulically powered blade quickly slices through cable with the press of a trigger.

The cutter has a built-in by-pass which activates when trying to cut material beyond the capabilities of the cutter, saving it from damage. Includes carrying strap, carrying case, two standard batteries and 15 minute charger.

Cat. No.	Mfr. No./Description	Each
462-658	TBM58BSCT BattPac Cable Cutter	$3800.00

For replacement and optional batteries see page 282



Cable Cutters

- For copper or aluminum cables

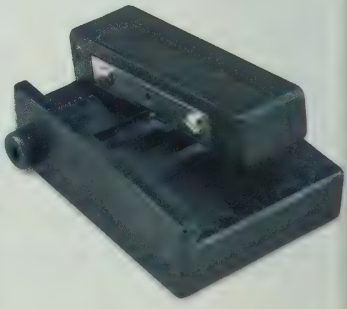
Razor sharp cutting blades slice through copper and aluminum cables up to 5/8". (USA)

Cat. No.	Description	Each
213-041	Cable Cutter, Multi-Conductor	$33.95
213-076	Cable Cutter, Coax	40.95
325-003	Cable Cutter	22.75

ANDREW® Easiax® Precision Cable Preparation Tools

- For Heliax® Foam Dielectric Cable

Quality tools reduce cable preparation time to seconds. Produces a precise, accurate cut that makes connector attachment quick and easy. Scores the jacketing and cuts the outer conductor at the crest of its corrugation at the precise distance required. Blade depth adjustment prevents cutting of inner conductor. Includes five extra reversible cutting blades. (USA)



Cat. No.	Mfr. No./Description	For Cable Type	Cuts	Each
258-270	207865 Cable Prep Tool	FSJ1/FSJ4, ETS1, F3L1	Jacket/Outer Conductor	$22.95
258-271	241372 Cable Prep Tool	FSJ2/FSJ4, ETS2	Jacket/ Outer Conductor	22.95
258-272	207866 Cable Prep Tool	LDF4, HL4RP-50, R3L4	Outer Conductor/ Scores Jacket	22.95
258-281	222951 Cable Prep Tool	LDF5, R3L5	Outer/Inner Conductor, Scores Jacket	34.00



JENSEN®
Lifetime Guarantee

Premium Stripper/Cutters

- Comfort handles for sure grip
- Super-sharp blades

Designed for a natural grip with extra soft handles. Precision-ground strip holes and sharp, knife-type blades give a perfect, easy strip. Built-in wire cutter.

Cat. No.	Description	Range	Each
600-415	Stripper/Cutter	10-18 AWG Solid Wire	$20.00
600-416	Stripper/Cutter	16-26 AWG Stranded Wire	20.00
600-417	Stripper/Cutter	22-30 AWG Solid Wire	20.00
600-425	Stripper/Cutter	0.5 - 4.0mm² Solid Wire	20.00



462-051



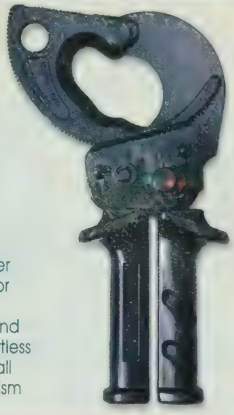
462-052

Thomas&Betts

Ratcheting 750 MCM Cable Cutter & Cable Splicers

Only 16" long, the cable cutter has an advance stroke mechanism that greatly reduces handle force required to slice copper or aluminum cables up to 750 MCM. Short handles, 10" long, enables use in confined spaces. The Cable Splicers have fiberglass handles and cut from 500 MCM to 1000 MCM copper and aluminum.

Cat. No.	Description	Each
462-051	Ratcheting 750 MCM Cable Cutter	$154.00
462-052	Cable Splicer- 500 MCM Copper/Aluminum	126.00
462-053	Cable Splicer- 750 MCM Copper/1000 MCM Aluminum	185.00
462-054	Cable Splicer- 1000 MCM Copper/Aluminum	196.00



Paladin Tools®

Ratcheting Cable Cutter

A compact ratchet tool that will easily cut stranded and flexible copper and aluminum cable up to 600MCM or a diameter of 1.77". It has hardened, precision cutting blades for long life and a precise ratchet mechanism for effortless operation. A built-in safety release in all cutting positions and locking mechanism for transport safety are also featured.

Cat. No.	Description	Each
497-045	Ratcheting Cable Cutter	$219.00



JENSEN®
Lifetime Guarantee

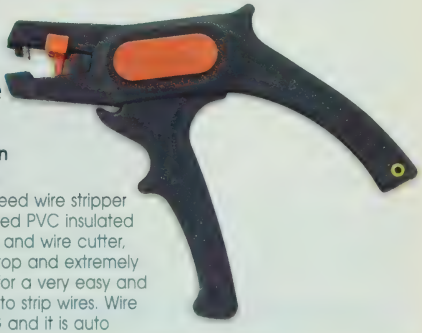
Stripper/Cutter/Crimper

- Inch/metric
- Bolt cutter

Strips wire and crimps insulated terminals in wire sizes 22-10 AWG (metric: .75-6mm). Cuts six sizes of bolts, 4-40, 5-40, 6-32, 8-32, 10-24, 10-32 (metric: M2.6 M3, M3.5, M4, M4.5, M5). Serrated-jaw and narrow nose pull wire, bend loops, loosen or tighten small nuts. Cushion grip handles. 8 1/4". (USA)

Cat. No.	Description	Each
71-100	Inch Stripper/Cutter/Crimper	$14.95
36-637	Metric Stripper/Cutter/Crimper	20.95

IDEAL.



Ideal Wire Strippers

- No nick design
- Fully Insulated

Low cost nose feed wire stripper for solid and stranded PVC insulated wires. Built-in blade and wire cutter, adjustable depth stop and extremely light weight make for a very easy and cost effective way to strip wires. Wire range is 22-10 AWG and it is auto adjusting. (Germany)

Cat. No.	Description	Range	Each
600-001	Wire Stripper	22-10 AWG	$28.00

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Fax Lines: 800-366-9662 • 602-438-1690

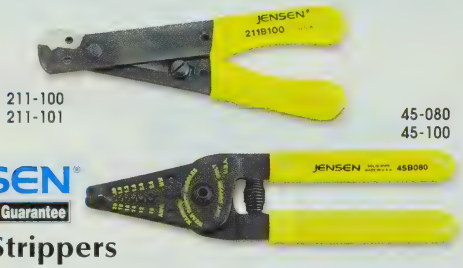


C.K Precision Wire Stripper

➥ ESD model available

Select one of six different settings. Calibrated wire stop to 2". (Germany)

Cat. No.	Description	Range	Each
125-500	Wire Stripper	20-30 AWG	$39.00
194-757	Wire Stripper	26-36 AWG	39.00
194-375	ESD Wire Stripper	20-30 AWG	45.00



JENSEN Lifetime Guarantee Wire Strippers

Compact multi-gauge wire strippers with comfortable vinyl grips. Small economy tools cover a wide range of wire sizes up to 10 AWG. Screw adjustment to preset wire size. For precision stripping, the deluxe models offer a separate stripping notch for each wire size within the range of the tool. Stranded wire stripper (not shown) has red handles. (USA)

Cat. No.	Description	Range	Each
† 211-100	Wire Stripper w/o Spring	28-10 AWG	$3.95
211-101	Wire Stripper w/Spring	28-10 AWG	4.25
45-080	Deluxe Solid-Wire Stripper	18-10 AWG	7.95
45-100	Deluxe Solid-Wire Stripper	30-22 AWG	8.75
45-090	Deluxe Stranded-Wire Stripper	26-16 AWG	7.95

†NSN: 5110-01-040-9836



Stripall Handheld Thermal Stripper

Heats in less than two seconds to 1700°F. Stripall blades are long lasting, inexpensive, and easily replaced. 115VAC, 3 wire cord. Comes with notched blades. (USA)

Cat. No.	Description	Range	Each
44-712	Thermal Stripper w/o Temp. Control	36-10 AWG	$219.00
44-713	Thermal Stripper w/SCR Control	36-10 AWG	280.00
44-715	Blades, Notched, pair	10-25 AWG	9.95
44-716	Blades, Blank, pair	26-36 AWG	9.95

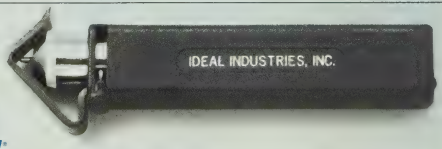


Paladin Tools® STRIPAX Wire Strippers

➥ Factory lifetime warranty (excluding blades)

Strips solid and stranded PVC insulated wires; built-in wire cutter, adjustable depth stop. Front feed allows stripping in confined spaces. Automatically adjusts for wire size. (Germany)

Cat. No.	Description	Range	Each
497-114	Stripax Pro 6 Wire Stripper	28-10AWG	$76.00
497-115	Mini-Stripax Plus Wire Stripper	28-18AWG	70.00
497-116	Stripax Pro 16 Wire Stripper	10-6AWG	94.00
497-117	Replacement Stripper Jaws for 497-114		31.00
497-108	Replacement Stripper Jaws for 497-115		19.95
497-118	Replacement Stripper Jaws for 497-116		39.00

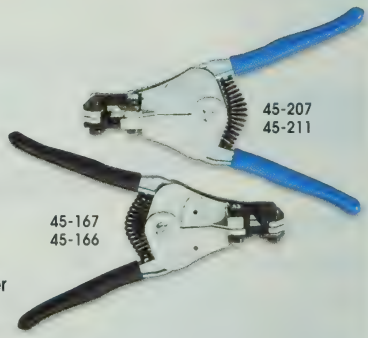


IDEAL Round Cable Stripper

➥ Factory lifetime warranty (excluding blades)

Slits cable both longitudinally and circumferentially. Cutting blade is adjustable for depth of cut.

Cat. No.	Description	Range	Each
497-820	Round Cable Stripper	4/0 AWG	$44.00
497-210	Replacement Blades, 2/pkg.	-	12.50



IDEAL Wire Strippers

➥ Stripmaster for PVC insulations

➥ Custom Stripmaster for PVC and Teflon insulations

Controlled action strippers in the standard Stripmaster and the "nick-free" Custom Stripmaster series. **Stripmaster** features standard knife type cutting blades while **Custom Stripmaster** has the precision die-type blades to prevent damage to conductor and insulation. (USA)

Cat. No.	Description	Range	Insulation	Each
45-167	Stripmaster	16-26 AWG	PVC	$27.00
45-166	Stripmaster	20-30 AWG	PVC	27.00
45-207	Custom Stripmaster	16-26 AWG	PVC	119.00
45-211	Custom Stripmaster	16-26 AWG	Teflon	119.00

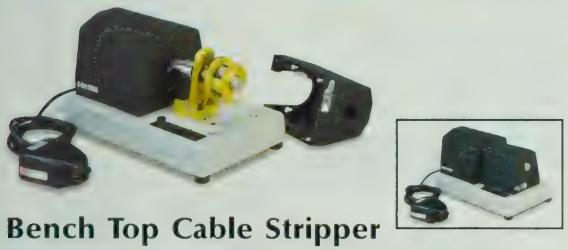


MiniLite-Strip™ Optical Fiber Stripper

- Lightweight, compact design for easy handling
- No field adjustment necessary

A precision optical fiber stripper that includes two V-notch blades. The large V-notch blade removes the outer jacket insulation while the small V-notch blade removes the buffer and coating from 125 fiber. Made with durable steel construction and a cushion-grip handle for operator comfort. The fluorescent orange color allows for easy identification on the job site and in a tool pouch.

Cat. No.	Description	Each
600-809	MiniLite-Strip Optical Fiber Stripper	$36.00



Bench Top Cable Stripper

- Affordable, precise and versatile
- Produces high quality repeatable strips in volume applications

Performs the same functions as the Portable Coaxial Cable Stripper but is designed for the benchtop. Foot pedal operated to start the cutter, with a selectable timer switch that will end the cutting cycle. Repress to start the next cutting cycle. An automatic brake will stop the cutter head from spinning at the interval selected. Unbreakable ABS cover encloses all moving parts and motor will be disabled if the cover is off. Motor is permanently sealed and lubricated. 8 x 13 x 8", 22 lbs. AC powered.

Cat. No.	Description	Each
709-009	Bench Top Cable Cutter	$2275.00
709-012	735A Cutter Head	125.00
709-013	735 Cutter Head	125.00
709-014	734A Cutter Head	125.00
709-015	734 Cutter Head	125.00

Coaxial Cable Strippers



Cat. No.	Dimensions A	B	C	Application
709-005 709-012	.344	.093	.156	735 Cable or .110"-.160" OD (for Trompeter, ADC BNC & Amphenol connectors)
709-006 709-013	.312	.156	.156	735 Cable or .110"-.160" OD (for Lucent, ITT Cannon & Kings connectors)
709-007 709-014	.344	.093	.156	734 Cable or .235"-.270" OD (for Trompeter, ADC BNC & Amphenol connectors)
709-008 709-015	.312	.156	156	734 Cable or .235"-.270" OD (for Lucent, ITT Cannon & Kings connectors)



Tabbing Shears

Designed for making longitudinal cuts in cable sheath and metallic shields for placement of inner sheath bond clamps. The special alloy and hardening process allow these shears to stand up to both steel and aluminum shields. The lower snout is rounded and thinly contoured to fit smoothly between the cable shield and the core wrap without damaging the conductors. They come with a precision ground and sharpened cutter edge and for safety, the formed handle grips keep your hand from sliding forward.

Cat. No.	Description	Each
471-018	Tabbing Shears	$42.50

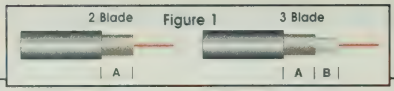


Portable Coaxial Cable Stripper

- Perfect for Coaxial, Triaxial, and Semi-Rigid Cable
- Fast, precise cuts

When you have applications that require multiple Coaxial connector terminations, this Ni-Cad battery powered hand-held cable stripper can deliver production quality strips in less than five seconds. The quick-change very precise cutter heads have blades that last up to 15,000 strips. It's approved for use in Telecommunications, OEM's, Aerospace, RF Microwave or any field where precision and repeatability is required. Cutter heads are available for all types of cable and connectors. Each unit comes complete with Ni-Cad battery pack (good for up to 250 strips per charge) and charger. The Kit includes battery-powered cable stripper, cutter head for 735A cable, Ni-Cad battery pack, AC & DC chargers, all supplied in a carry case with additional space for an extra cutter head.

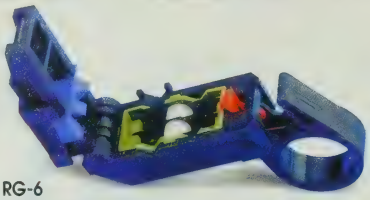
Cat. No.	Description	Each
709-725	Portable Coaxial Cable Stripper	$250.00
709-715	Portable Coaxial Cable Stripper Kit	375.00
709-005	735A Cutter Head	125.00
709-006	735 Cutter Head	125.00
709-007	734A Cutter Head	125.00
709-008	734 Cutter Head	125.00



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XCELITE

Coaxial Cable Strippers



➥ **Strips RG-174 thru RG-6**

Provides quick and easy stripping of many sizes of coaxial cables. Razor-sharp blades are securely housed in interchangeable cassettes and provide thousands of perfect strips. Cassettes are color-coded for easy determination of strip dimensions. Replacement cassettes are available. (Sweden)

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
3-271	2CSK-R 2 Blade, Red	.25"	–	$71.00
3-273	2CSK-B 2 Blade, Blue	.28"	–	71.00
3-277	2CSK-Y 2 Blade, Yellow	.44"	–	71.00
3-272	3CSK-BR 3 Blade, Brown	.328"	.109"	74.50
3-274	3CSK-GN 3 Blade, Green	.235"	.235"	74.50
3-276	3CSK-WH 3 Blade, White	.266"	.063"	74.50
Replacement Cassettes				
3-210	Red	–	–	$29.25
3-211	Blue	–	–	29.25
3-212	Yellow	–	–	29.25
3-214	Brown	–	–	29.25
3-215	Green	–	–	29.25
3-297	White	–	–	29.25

IDEAL

Coaxial Cable Strippers



➥ **Built-in cutter/trimmer**

➥ **Strips RG-58 thru RG-6**

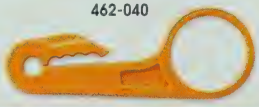
Once the tools are properly adjusted to the cable, they perform neat and clean cuts time after time. The cassettes holding the blades are interchangeable for different length of strip and are fully adjustable to different cable diameters. Lifetime warranty (except blades).

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
600-580	45-520 w/Black Cassette	.240"	.240"	$35.00
600-020	45-521 w/Brown Cassette	.328"	.109"	35.00
600-590	45-526 w/Blue Cassette	.250"	–	35.00
Replacement Cassettes				
600-800	Black	.240"	.240"	$9.00
600-357	Brown	.328"	.109"	9.00
600-475	Blue	.250"	–	9.00

Multi-Pair Ringers

Low cost disposable pair strippers remove jackets cleanly and quickly. Available in 2, 3, 4 and 25 pair sizes.

462-040



Cat. No.	Description	Each
462-040	2, 3, 4 Pair Multi-Pair Ringers	$6.75
462-041	25 Pair Multi-Pair Ringers	7.50

Paladin Tools®

Coaxial Cable Stripper



Variable

➥ **Strips cable from .100 to .315" diameter**

Interchangeable blade cassettes change the strip dimensions and each blade can be adjusted to any depth of cut. A unique removable adjustment module speeds up stripping of different cables by allowing you to set the adjusters (one included) for each type of cable. The variable tool allows you to change strip dimensions in mm increments. Lifetime warranty (except blades). (Germany)

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
497-156	3240 Variable Stripper	n/a	n/a	$60.00
497-153	1241 w/Blue Cassette	.256"	–	55.00
497-155	1240 w/Green Cassette	.279"	.201"	55.00
497-352	1246 w/Gray Cassette	.153"	–	48.00
497-354	1243 w/Brown Cassette	.295"	.137"	48.00
Replacement Cassettes				
497-152	Blue	.256"	–	$22.00
497-154	Green	.279"	.201"	22.00
497-357	Gray	.153"	–	22.00
497-243	Brown	.295"	.137"	22.00
497-151	Extra Adjustment Module	–	–	22.00
497-242	Replacement Blades for Variable Stripper			31.00

685-301



685-306

SARGENT

Twisted Pair/Coax Cable Strippers

➥ **Single strip tool for multiple applications**

685-306 will accurately strip both CAT5 twisted pair cable as well as RG-59/6 coax cable. For twisted pair, the outer jacket is easily removed without nicking the inner conductors and the blade to cartridge body length is configured for RJ-45 plugs. The coax cartridge is configured for a 1/4 x 1/4" prep. The cartridges are molded from durable glass filled polycarbonate and are color coded for easy identification. They will also snap in place from both sides of the tool making it a non-handed product. **685-301** includes a built-in compression tool for installing the LRC Snap-N-Seal, PPC and CMP sealed connectors. (USA)

Cat. No	Description	Each
685-306	Stripper, Twisted Pair & RG-59/6	$19.95
685-302	Stripper, RG-59/6 & RG-11/7	19.95
685-303	Stripper, RG-59/6	14.95
685-301	Stripper, RG-59/6 with Compressor	19.95
685-307	Replacement Cartridge, Twisted Pair, each	5.00
685-308	Replacement Cartridge, RG-59/6, each	5.00
685-309	Replacement Cartridge, RG-11/7, each	5.00
685-310	Replacement Cartridge, RG-58/59, 3 Blade .235/.235, each	10.00
685-311	Replacement Cartridge, RG-58/59, 3 Blade .328/.109, each	10.00



TROMPETER ELECTRONICS INC

CT4L Crimp Tool

The preferred tool for those working with 734 and 735 cable. It's designed with an ergonomic handle that makes it much easier on the hand to crimp, and a ratcheting mechanism that ensures a positive crimp each time. The optional crimp dies imprint either cavity (A/B) or hex size onto the crimp sleeve. **129-002** die will crimp .213/.178/.068/.042 on 735 cable. **129-003** die will crimp .324/.255/.068/.042 on 734 cable. **129-007** die will crimp .255/.178 on 734 & 735 cable. **129-005** die will crimp .178/.255 on 734 & 735 cable.

Cat. No.	Description	Each
129-001	CT4L Crimp Frame	$84.00
129-002	CD3-1 Die	58.00
129-003	CD3-2 Die	54.00
129-007	CD3-11 Die	58.00
129-005	CD3-19 Die	78.00



TROMPETER ELECTRONICS INC

12-Point BNC/PL11 Center Contact Crimper

The most effective crimp tool for crimping center conductor pins on BNC, TNC and PL11 connectors. The 12-point system has four positions of three rows of indentations. This achieves the maximum pull strength for the center pin and greatly reduces any chance of failure. The full cycle ratchet ensures a complete and perfect crimp every time. Cushioned grips.

Cat. No.	Description	Each
129-009	12-Point BNC/PL11 Center Contact	$117.00

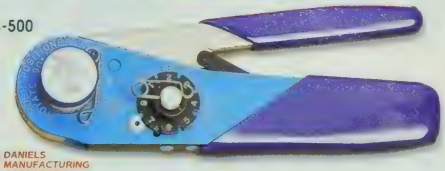


Cable Sheath Slitter Knife

The "Safety Button" tip design of this knife allows you to slit cable sheaths quickly without damaging any of the conductors.

Cat. No.	Description	Each
65-001	Cable Sheath Slitter Knife, 6" length	$20.95





DMC DANIELS MANUFACTURING CORPORATION

Miniature Crimping Tools

- Available in Mil-Spec and commercial
- Standard and high density

Designed to accommodate most miniature and sub-miniature connector types used in electronic systems that use "screw-machined" size 20 DM contacts. Separate replaceable positioner for use with tool frame **924-201** are listed below for Mil-Spec Mil-C-22520/2 (color-banded) and "commercial-grade" (no color bands) pins and sockets. Tool frame 924-201 offers an eight-position crimp depth adjustment, precision ratchet action and produces a Mil-Standard 8-indent crimp for perfect results every time. Also listed below are economical versions with fixed depth-of-crimp, non-removable positioners plus a Go-No-Go gauge. (USA)

Cat. No.	Description	Each
924-500	Crimp Tool w/Mil-Spec Positioner	$317.00
924-201	AFM8 Tool Frame w/o Positioner	267.00
924-455	Positioner for Mil-Spec Contacts 20 DM	49.00
924-155	Positioner: Commercial Contacts 20 DM	52.00
924-040	Positioner: 22 DM Sockets	56.00
924-042	Positioner: 22 DM Pins	51.00
924-125	Go-No Go-Gauge	62.00
924-320	Fixed Crimp Tool: Mil-Spec Contacts	238.00
924-215	Fixed Crimp Tool: Commercial Contacts	215.00

See page 138 for pins & sockets for these tools

DMC DANIELS MANUFACTURING CORPORATION

AF8 Upper Range Crimp Tool

- Qualified to MIL-C-22520/1
- Wire range:12 thru 26 AWG



Features a standard eight-impression crimp to assure absolute maximum tensile strength plus a precision ratchet to deliver the same accurate crimp time after time. Positive crimp depth is controlled by an eight position selector knob. **TH1A** (front release contacts) and **TH163** (rear release contacts) Turret Heads have three positions: 12 (Yellow), 16 (Blue) and 20 (Red) to handle wire sizes from 12 thru 26 AWG. The Universal Positioner, **UH2-5**, is ideally suited for both lab and prototype work. Rotating height adjusting screw assures proper contact positioning. (USA)

Cat. No.	Mfr. No./Description	Each
924-008	AF8 Crimp Tool Frame	$287.00
924-025	UH2-5 Universal Positioner	85.00
924-001	TH1A Turret Head Positioner	108.00
924-163	TH163 Turret Head Positioner	114.00
924-125	Go-No-Go Gauge	62.00

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(Die sold separately)

JENSEN®
Lifetime Guarantee

Open Barrel Crimp Tool

Ergonomically designed handles and smooth ratchet action for comfort and precise crimps.

Cat. No.	Description	AWG	Each
600-700	Crimp Tool Frame	–	$42.00
600-205	Open Barrel Crimp Pin & Sockets Die*	18-30	36.00

See page 154 for other die sets for this frame *Lifetime Guarantee on Frame only.

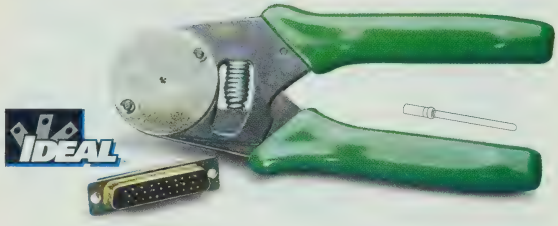


SARGENT

Open Barrel Crimp Tools

Full cycle ratcheting action assures precise termination of open barrel contacts. **685-363** has three crimping nests for AMP MultiMate contacts 5-20, 24-20, 18-16, and 28-24 AWG. A contact support and wire stop are provided. **685-364** has two crimping nests for AMP D-sub sizes 28-24 and 24-20 AWG. Locator and wire stop are provided with this tool. Both tools crimp wire and insulation in a single action. (USA)

Cat. No.	Description	Contacts	AWG	Each
685-363	Crimp Tool	MultiMate	28-16	$109.00
685-364	Crimp Tool	D-Sub (RS-232)	28-20	109.00
Accessories				
80-183	Extraction Tool	MultiMate	28-16	$15.50
80-672	Ins./Ext. Tool	D-Sub (RS-232)	20	5.50
113-001	Ins./Ext. Tool	D-Sub (RS-232)	22	5.50



4-Way Indent Crimp Tools

➥ Lifetime factory warranty

Designed to crimp solid barrel contacts for D-sub RS-232 interface connectors. Four-way indent dies (per MS22520 specs) and built-in locator for accurate positioning of the pin and socket prior to the crimping action. Full cycle ratchet ensures a complete and perfect crimp every time. Cushioned grips. Compact 6 1/2" size.

Cat. No.	Description	AWG	Each
497-144	Solid Barrel Crimp Tool	20-26	$77.00
600-059	Solid Barrel Crimp Tool	16-22	77.00



SARGENT

Ratcheting Terminal Crimper

Crimps insulated terminals. Crimping cavities are identified by wire size and color code: front cavity (red) is for 22-16 AWG; middle cavity (blue) is for 16-14 AWG; rear cavity (yellow) is for 12-10 AWG. Ratcheting action assures a complete crimp and is adjustable for wear. Hardened steel jaws and handles. Cushion grip handles. 9". (USA)

Cat. No.	Description	Each
685-320	Ratcheting Terminal Crimper	$69.00



SARGENT

Molex® Compatible Crimp Tools

Full cycle ratcheting crimp tools provide effortless termination of Molex and similar open barrel contacts. 9". (USA)

Cat. No.	Description	Pin Size	Wire Size	Each
685-031	Crimp Tool w/Positioner	.093"	14-22 AWG	$119.00
685-719	Crimp Tool w/Positioner	.062"	18-24 AWG	119.00
685-262	Crimp Tool	.093"	24-30 AWG	119.00
685-263	Crimp Tool	.062"	24-30 AWG	119.00



AMP

Telephone Butterfly Installation Tool

➥ Fast installation of 25 pair (50-pin) connectors

This unique hand-operated tool performs volume installation of 25 pair (50-pin) telephone connectors. Requires **Lacing Fixture** to deliver 90° or 180° wire dress and **Comb Kit** to keep the wires properly separated. Includes carrying case and instructions. (USA)

Cat. No.	Description	Each
80-062	Butterfly Tool	$795.00
80-072	Lacing Fixture	212.00
80-061	Comb Kit	18.50
80-071	T-Handle Insertion	9.95



JENSEN®
Lifetime Guarantee

Modular Crimper

An extremely practical tool that is used for RJ-11 and RJ-45 applications. Both dies are built into the tool so you can never lose them and it will always be ready to crimp when you are. The built-in cutter and stripper make it easier to prepare the wire before crimping.

Cat. No.	Description	Each
600-360	RJ-11/RJ-45 Modular Crimp Tool	$49.95



IDEAL

Modular Crimp Tools

Unique tool features two built-in crimping dies, plus a cutter and stripper.

Cat. No.	Mfr. No./Description	Each
600-163	30-499 RJ-11/RJ-22 Crimper	$49.95
600-162	30-497 RJ-45/MMJ DECconnect Crimper	49.95
600-161	30-498 RJ-11/MMJ DECconnect Crimper	49.95

SARGENT

Modular Plug Crimper



➥ Full cycle ratcheting action ➥ Interchangeable color coded dies

Full cycle ratcheting action assures consistent terminations and a release lever to prevent faulty crimps. Built-in stripper/cutter for CAT5 cable with industry standard strip length gauges. Kit includes crimp tool and four dies (excluding MMJ die) in a molded storage box with die cut foam insert. (USA)

Cat. No.	Description	Each
685-750	Crimp Tool Frame	$79.00
685-754	RJ-22 4 Position Die	27.50
685-760	RJ-11 6 Position Die	27.50
685-758	RJ-45 8 Position Die	27.50
685-701	10 Position Die	27.50
685-525	MMJ DECconnect Die	34.00
685-740	Crimp Tool Kit	185.00



AMP

Modular Crimping Tool

➥ Cuts and strips cable jacket insulation
➥ Terminates modular plug connectors

(USA)

Cat. No.	Description	Each
80-020	Crimp Tool Frame	$99.00
80-522	RJ-11 4-6 Position Linecord Crimper with Die	139.00
80-640	RJ-22 4 Position Handset Crimper with Die	142.00
80-662	Replacement Stripper Blade Assembly	12.00
80-212	RJ-11 4-6 Position Die only	45.00
80-213	RJ-22 4 Position Die only	45.00
80-651	MMJ DECconnect Die only	45.00
80-034	RJ-45 8 Position, Die only (Use AMP Plugs only)	45.00
80-007	CAT-5 RJ-45 Die Sets for AMP CAT 5 Plugs	45.00

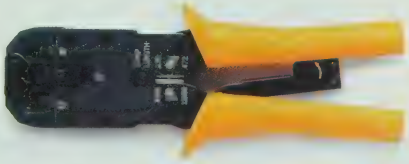


IDEAL

Ratcheting Telemaster Modular Crimper

Cuts, strips and crimps six and eight conductor modular plugs onto flat telephone cables. Crimps onto round cables. This tool features all steel construction and a smooth, repeatable, ratchet controlled crimp cycle. No secondary strain relief crimp makes it universal with all types of plugs, including combed Category 5 plugs.

Cat. No.	Mfr. No./Description	Each
600-696	30-696 Ratcheting Telemaster Crimper	$53.00



Paladin Tools®

All-In-One Telephone Tool

Cuts, strips and crimps modular telephone wires and plugs. Cuts and strips flat line cord up to 8 conductors wide. Crimps handset connectors, RJ-11 and RJ-45 plugs with no die change
Five year warranty.

Cat. No.	Mfr. No./Description	Each
497-530	1530R All-in-One Telephone Tool	$112.00

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Paladin Tools®

BroadcastReady™ Kit

➥ **Designed for the Broadcast Industry Professional**

Includes professional tools for cutting, stripping, crimping and testing coaxial cable connections for HDTV, video and RF communications. Frame includes a die for RG58/59/62AU and four additional dies that crimp from RG174 to RG6, and NT725 to Belden 8281. Works with connectors from Amphenol, ADC, Kings, AIM/Cambridge, AMP and others. Three stripping cassettes are included to handle N-type, BNC/TNC and HDTV connectors. A professional cable cutter with non-deforming cutting blades and a Coax-Check® remote cable tester with BNC adapters is also included. Kit is protected by a padded, zipper case.

Cat. No.	Description	Each
497-030	BroadcastReady™ Kit	$299.95



Paladin Tools®

Wire Ferrule Crimp Tool & Ferrules

Designed to crimp both insulated and non-insulated wire ferrules. Made of durable steel construction for long life and has ergonomic handles for low-effort operation. A fixed steel die system eliminates the need for purchasing additional dies. Range of tool is 10-24 AWG. (Germany)

Cat. No.	Description	Each
497-010	PZ6/5 Wire Ferrule Crimp Tool	$140.00
497-012	20 AWG Insulated Ferrules/ 100/pk.	8.95
497-013	18 AWG Insulated Ferrules/ 100/pk.	10.50
497-014	16 AWG Insulated Ferrules/ 100/pk.	12.95
497-016	14 AWG Insulated Ferrules/ 100/pk.	12.95
497-017	12 AWG Insulated Ferrules/ 100/pk.	14.25
497-018	10 AWG Insulated Ferrules/ 100/pk.	27.50
497-019	20 AWG Uninsulated Ferrules/ 100/pk.	4.75
497-020	18 AWG Uninsulated Ferrules/ 100/pk.	5.95
497-021	16 AWG Uninsulated Ferrules/ 100/pk.	5.95
497-022	14 AWG Uninsulated Ferrules/ 100/pk.	8.00
497-023	12 AWG Uninsulated Ferrules/ 100/pk.	11.50
497-024	10 AWG Uninsulated Ferrules/ 100/pk.	11.50

GMP®

Modular Plug Presser

- Works on almost every type of modular plug
- Guarantees connections to FCC specs
- Toolless die changes





A ratcheting presser that is rugged, versatile and easy-to-use. The patented mechanical design multiplies your pressing efforts by more than 20 times. A ratchet in the handle prevents premature release and a mechanical stop prevents overpressing. Interchangeable dies assure versatility, and snap in and out with a press of the thumb, with no fasteners to worry about. A positive detent securely locks the die in place. A stripper in the handle measures and strips the correct length of jacket everytime. **Kit** includes Presser, 4, 6 & 8 contact dies, and 600 various plugs.

Cat. No.	Description	Each
471-004	Standard Pressing Kit	$655.00
471-003	Presser w/Holster & #6 & #8 Dies	294.00
471-001	Presser w/Holster & #4 & #6 Dies	289.00
471-005	#4 Die for Handset Plugs	38.75
471-006	#6 Die for RJ-11 Plugs	38.75
471-002	#8 Die for RJ-45 Plugs	49.50
471-007	#A6 Die for AMP RJ-11 Plugs	44.00
471-008	#A8 Die for AMP RJ-45 Plugs	54.25
471-009	#10 Die for RJ-45 Plugs	62.00
471-010	#B6 Die for RJ-11 Brand Rex (Unicom)	45.00
471-011	#B8 Die for RJ-45 Brand Rex (Unicom)	50.00
471-012	#A6S Die AMP RJ-11 Shielded Plugs	93.00
471-013	#S8 Die for GMP Shielded RJ-45 Plugs	56.00
471-014	#T6 Die for Lucent RJ-11 Shark Tooth Plugs	50.00
471-015	#T8 Die for Lucent RJ-45 Shark Tooth Plugs	62.00
471-016	Connector Presser only	203.00

SARGENT®

Ribbon Cable Crimping Tool

Tool crimps a wide variety of IDC connectors onto ribbon cable up to 60 conductors. Ratchet action assures consistent terminations. (USA)



Cat. No.	Description	Each
685-910	Flat Ribbon Cable Crimping Tool	$150.00
685-911	Flat Ribbon Cable Cutter Accessory	45.00



JENSEN Lifetime Guarantee



Stamped Steel Crimpers

Crimps insulated and uninsulated terminals and splices in wire sizes 22-10 AWG. Confined trapezoidal crimping dies provide better electrical and mechanical terminations. Color-coded dies correspond to color of terminal insulation to assure proper die selection. Built-in wire stripper, wire cutter and bolt cutter. Cushioned handles. (USA)

Cat. No.	Description	Each
80-521	Crimper/Stripper	$12.00



Bench Mounted Pneumatic Crimp Tool

- Suitable for high-usage production environment
- Works with many industry standard dies

This pneumatic-powered Crimp Tool makes production termination for coaxial cable easy, efficient and precise. It is very compact and hand operated with spring mechanism loading so that it keeps hands safely out of the work area during the crimp cycle. The dual-position feet allow for horizontal or vertical loading for maximum production line efficiency. The manually-activated mode is adaptable to either right or left hand operation. The die holder is compatible with industry-standard die sets from Connex, Ideal Industries, Paladin, and Sargent. The adjustable crimp height allows for termination of coaxial cable, as well as discrete wire terminations, with appropriate dies for custom crimp applications. Optional water trap is available.

Cat. No.	Description	Each
414-015	Pneumatic Crimp Tool	$899.00
414-016	Water Trap	60.00
600-212	RG-8/11 N-Series Thicknet (Hex 0.429, 0.100, 0.080")	19.95
600-002	RG-59, 6, and 8281 50 & 75Ω (Hex 0.324, 0.255, 0.068, 0.042")	19.95
600-060	RG-58, 174 and 8218 50 & 75Ω (Hex 0.213, 0.178, 0.068, 0.042")	22.00
600-005	RG-174, Mini 59 BNC/TNC (Hex 0.178, 0.128, 0.068")	19.95
600-006	RG-58, 59 (Hex 0.213, 0.190, 0.068, 0.042")	19.95
600-201	RG-58, 59/62, BNC & TNC (Hex 0.255, 0.213, 0.068")	19.95
600-105	RG-59, 6 F-Series (Hex 0.350, 0.320, 0.255")	19.95
600-209	SMA, SMB, SFR Fiber (Hex 0.151, 0.178, 0.213")	19.95



IDEAL



Open Barrel Crimper

Crimps commercial grade stamped open barrel contacts, D-sub contacts and high density double-D miniature contacts. Includes crimp nest for insulated terminals (10-22AWG) and cuts machine screws and bolts. Cushion grip handles.

Cat. No.	Description	Each
600-028	Open Barrel Crimper	$43.00



AMP

ProCrimper 2 Crimp Tool

- Ratcheting action for perfect crimps
- Interchangeable dies for versatility

This steel frame ratcheting action tool uses interchangeable die sets to crimp a wide variety of different connectors. (USA)

Cat. No.	Description	Each
80-021	ProCrimper 2 Frame without Dies	$75.00
80-022	Die Set for RG-174 BNCs	43.00
80-023	Die Set for RG-58, 59, 62 BNCs	43.00
80-024	Die Set for Thick Ethernet N on RG-8	55.00
80-025	Die Set for Red, Blue, Yellow Insulated Terminals	43.00
80-026	Die Set for AMP FDDI Fiber Connectors	195.00
80-027	Die Set for RS-232 Stamped, Open Barrel Pins, 20DF	150.00
80-028	Die Set for AMP Fiber ST Connectors	43.00
80-055	Die Set for V: 35 Pins	100.00



AMP

MTA Crimper

Interchangeable crimp heads for both sizes of AMP MTA connectors fit into comfortable pistol-grip handle. Tool automatically moves connector to next position after each pin is crimped speeding termination. (USA)

Cat. No.	Mfr. No./Description	Each
80-333	MTA Crimper Tool Frame	$60.00
80-334	MTA 100 Crimp Die	125.00
80-335	MTA 156 Crimp Die	125.00

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JENSEN®
Lifetime Guarantee

700 Series Crimp Tool Frame

- All steel construction
- Terminate coax, RS-232, fiber optic, modular, insulated terminals
- Full cycle ratchet action



NOTE: Dies and Carrying Case sold separately. See below.

Cat. No.	Description	Each
600-700	Crimp Tool Frame	$42.00

Crimp Tool Dies & Carrying Case*

Cat. No.	Mfr. No./Description	Each
	Modular Plug Die Sets, 2 piece	
600-556	30-556 6 Position (RJ-11) Die Set	$36.00
600-558	30-558 6 Position MMJ DECconnect (RJ-11 w/Offset Latch) Die Set	36.00
600-559	30-559 8 Position (RJ-45) Crimps Both Strain Reliefs	36.00
600-560	30-560 8 Position (RJ-45) Crimps Both Strain Reliefs on AMP Plugs	36.00
600-561	30-561 10 Position (RJ-45) Crimps Both Strain Reliefs	36.00
	Fiber Optics Plug Die Sets, 2 piece	
600-210	30-597 SMA, Fits AMP Plugs (Round 0.195")	19.95
600-209	30-596 SMA, SMB, SFR (Hex 0.151, 0.178, 0.213")	19.95
	Coaxial Plug Die Sets, 2 piece	
600-201	30-581 RG-58, 59/62, BNC & TNC (Hex 0.255, 0.213, 0.068")	19.95
600-006	30-591 RG-58, 59/62, BNC & TNC (Hex 0.213, 0.190, 0.068, 0.042")	19.95
600-212	30-577 RG-8/11 N-series Thicknet (Hex 0.429, 0.100, 0.080")	$19.95
600-002	30-578 RG-59, 6, and 8281 50 and 75Ω (Hex 0.324, 0.255, 0.068, 0.042")	19.95
600-005	30-576 RG-174, Mini 59 BNC/TNC (Hex 0.178, 0.128, 0.068")	19.95
600-105	30-582 RG-59, 6 F-Series (Hex 0.350, 0.320, 0.255")	19.95
	Other Connectors	
600-214	30-579 Insulated Terminals, Red, Blue, Yellow 22-10 AWG	19.95
600-019	30-586 Open-Barrel, Molex Style Pins, 22-12 AWG	19.95
600-205	30-599 Open-Barrel, Pins & Sockets, 18-30 AWG	36.00
	Optional Carrying Case	
216-055	10 1/4" x 6" x 1 1/4"	15.00

*Dies are not covered by lifetime guarantee.



NOTE: Dies sold separately. See above.

CrimpMaster™ Industrial Grade Crimp System

- Hand-machined dies for precision
- Ratchet action for consistent crimps

IDEAL

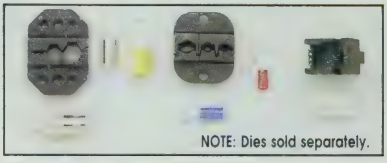
Cat. No.	Mfr. No./Description	Each
600-200	30-506 CrimpMaster Frame only (req. one or more die sets)	$39.95



SARGENT

4100 Series Crimp Tool

- Terminate coax, modular, CATV, insulated terminals
- Full cycle ratchet action



Cat. No.	Description	Each
685-400	Crimp Tool Frame only, 17 1/2 oz.	$51.00
685-406	RJ-11 (4/6 Position) 1 pc. Die only	26.00
685-408	RJ-45 (8 Position) 1 pc. Die only	26.00
685-420	Insulated Terminal Die Set, (10-22AWG) (Crimps Conductor only)	26.00
685-440	Insulated Terminal Die Set, (10-22AWG) (Crimps Conductor and Strain Relief)	26.00
685-466	RG-58/59/62 Coax Die Set, (.042, .068, .213, .255")	26.00
685-467	RG-59/8281 Coax Die Set, (.042, .068, .255, .324")	26.00
685-469	RG-8 Coax Die Set, (.068, .080, .100, .429")	26.00
685-470	RG-8 Plenum (Thicknet) Die Set (.092, .412")	26.00
685-472	RG-59/6 CATV Coax Die Set (.324, .360")	26.00
685-476	RG-58/59 Coax Die Set, (AMP Round .044, .050, .206, .238")	26.00



Termination Kits

JENSEN Lifetime Guarantee

- Special tool selections
- Cordura® Plus cases

Overall case size is 11 x 6 1/2 x 3" with two outside pockets, each 8 1/2 x 6 1/2 x 2".

1-302 Tools in boldface italic backed by Jensen's Lifetime Guarantee

Crimper, RJ-11/45
Stripper/cutter
Scissors, electrician's, strip-jaw
Screwdriver, Phillips, pocketclip, #0
Screwdriver, slotted pocketclip, 3/32"
Parts box, 5-compartment
Tool case, Cordura Plus

1-301 Tools in boldface italic backed by Jensen's Lifetime Guarantee

Crimp tool frame
Crimp tool die, RG-58/59/62
Coax stripper, 3-step, RG-58/59/62/6
Parts box, 5-compartment
Stripper/cutter
Tool case, Cordura Plus

Cat. No.	Description	Each 1-4	5-9
1-302	RJ-11/RJ-45 Modular Termination Kit*	$118.00	$109.00
1-301	Coaxial Termination Kit*	129.00	119.00
54-462	Cordura Plus Case only	40.00	37.00

*Lifetime Guarantee on Tools and Frame only.



SARGENT

Super Crimp Coax Cable System

- Terminates most commercially available coax connectors

Ergonomically designed crimping tool, accommodates the following sizes: sq., .042" hex .068, .080, .100, .128, .151, .178, .213, .255, .324, and .429". Kit comes in fitted storage box with a chart in the lid indicating which RG Cable designation is accommodated in each die cavity. Includes stripping tool. (USA)

Cat. No.	Mfr. No./Description	Each
685-415	TK4150 Super Crimp Coax Cable System	$250.00



JENSEN Lifetime Guarantee

Crimp Kits

- Ratchet cycle insures perfect crimps
- Zipper case holds tool and dies

Telco Kit contains crimp tool frame, one piece die for RJ-11 (4/6 position) and RJ-45 (8 position). Other dies available (see page 154).

Coax Kit contains crimp tool frame and die set for RG-58/59/62, PVC and plenum. Other dies available (see page 154).

Cat. No.	Description	Each
23-231	Crimp Kit for Telco*	$99.00
23-233	Crimp Kit for Coax*	99.00

*Lifetime Guarantee on Frame only.



IDEAL

10BASE-T Tool Kit

- Complete and easy-to-carry
- Fast, accurate crimps

Kit features RJ-45 crimper, twisted pair cable stripper, cable cutter 100 RJ-45 plugs, and round stranded wire

Cat. No.	Mfr. No./Description	Each
600-035	33-652 10BASE-T Tool k*	$230.00

Integrated Cabling Tool Kits

Whatever type of cables you repair or terminate, we have the right tool kit for you. Carefully selected, quality tools from Ideal ensure the job is done right the first time. Each tool carries a lifetime warranty (excluding stripper and punch-down blades, and testers) so you know they're rugged. Each kit is housed in a case with die-cut foam.



600-010 — Crimper with RG-58/59/62, RG-8/11 diesets, crimper with RJ-45, RJ-45 AMP and RJ-11 diesets, coax stripper, RG-8/11 stripper, cutter/stripper for flat satin, coax and twisted pair stripper, center conductor cutter, coax cutter.



600-003 — Coax cutter, center conductor trimmer, RG-58/59, crimper, coax stripper.



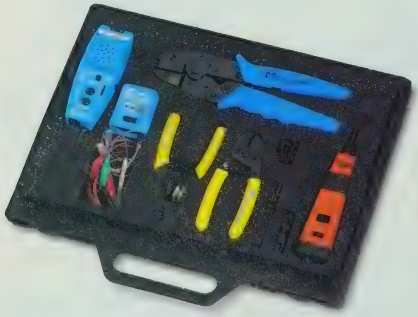
600-012 — Crimper with RG-58/59/62, RJ-45 and RJ-11 diesets, coax stripper, center conductor cutter, coax cutter, tone generator, tone tracer, wiring verifier, punch-down tool with 66 and 110 blades, coax and twisted pair cable tester.



600-008 — Crimper with RG-8/11, AMP RG-58 round, RG-58/59/62, RJ-11 RJ-45, RJ-45 AMP, MMJ diesets, coc stripper, RG-8/11 stripper, coax cut cutter/stripper for flat satin, punchdown tool with 66 and 110 blades, coax and twisted pair stripp



600-144 — Crimpmaster™ BNC/TNC tool, RG-8/11 die set, line cord stripper, coax strippers, center conductor cutter, round cable cutter, RJ-45 crimp tool, RJ-11 die set amplifier probe, punch-down tool with 66 and 110 blades, wiring verifier, Smart6™, Data8™ modular adapters, Pathfinder™ tester and remotes, Phillips screwdriver, and UTP/STP stripper.



600-007 — Tone generator, tone tracer, coax cutter, cutter/stripper for flat satin, punch-down tool with 110 blade, crimper with RJ-11 and RJ-45 dies, coax and twisted pair stripper.

Cat. No.	Description	Each
600-003	Basic Coax Termination Kit	$153.00
600-007	Voice and Data Termination Kit	295.00
600-008	Coax and Twisted Pair Termination Kit	379.00
600-010	Coax and Twisted Pair Termination Kit	285.00
600-012	All-in-One Termination Kit	463.00
600-144	Jumbo LAN Installer's Kit	960.00



Color-Keyed Compression Tools with Dies

462-010 installs copper lugs and splices from #8 to #2 C taps, 54705 to 54725. Aluminum lugs and splices from #10 to #6. Five dies, Shure-Stake system.

462-011 installs on copper #8 to 250 MCM lugs, splices and taps and on aluminum from #10 to 4/0. Includes dies.

462-012 installs copper lugs from #8 to 500 MCM, aluminum from #10 to 350 MCM. Tool includes dies and steel case.

Cat. No.	Mfr. No./Description	Each
462-010	TBM25S Compression Tool, Blue	$154.00
462-011	TBM5S Compression Tool, Red	495.00
462-012	TBM8S Compression Tool, Red	905.00



Color-Keyed Compression Tools

Compression tools install 63105 through 63140 H taps, #8 through 500 MCM copper and #10 through 350 MCM aluminum lugs, splices and taps. Comes in steel carrying case. Dies sold separately. (USA)

Cat. No.	Mfr. No./Description	Length	Weight	Each
462-001	TBM6S Compression Tool, Red	26"	21 lbs.	$395.00
462-002	TBM60RS Compression Tool, Blue	20"	6 lbs.	626.00
462-003	Die Kit (Includes all listed plus 13478)	–	–	545.00
462-004	Upper Die 13472	–	–	85.00
462-005	Upper Die 13473	–	–	85.00
462-006	Upper Die 13474	–	–	70.00
462-007	Upper Die 13475	–	–	70.00
462-008	Lower Die 13476	–	–	85.00
462-009	Lower Die 13477	–	–	85.00



Color-Keyed Hydraulic Compression Tools

Self-contained hydraulic tools installs copper and aluminum Color-keyed connectors. Lugs and two-way connectors to 750 MCM, grid connectors through 250 MCM, 5/8" rod. C taps through #54775 and H taps through #63150. Develops 14 tons of force. Dies sold separately. Steel carrying case. (USA)

Cat. No.	Mfr. No./Description	Each
462-014	TBM14 Compression Tool w/Insulated Head	1500.00

Die Sets

Cat. No.	Code	Wire Size	Color	Each
462-042	80R	250-2	Purple	$93.00
462-043	71R	2-6	Brown	93.00
462-044	37R	8-14	Green	93.00
462-015	21	8	Red	93.00
462-016	24	6	Blue	93.00
462-017	29	4	Gray	93.00
462-018	33	2	Brown	93.00
462-019	37	1	Green	93.00
462-020	42H	1/0	Pink	93.00
462-021	45	2/0	Black	93.00
462-022	50	3/0	Orange	93.00
462-023	54H	4/0	Purple	93.00
462-024	62	250 MCM	Yellow	93.00
462-025	66	300	White	93.00
462-026	71H	350	Red	93.00
462-027	76	400	Blue	93.00
462-028	80	–	–	120.00
462-029	87H	500	Brown	93.00
462-030	94H	600	Green	93.00
462-031	96	–	–	93.00
462-032	99H	535	Pink	93.00
462-033	106H	750	Black	93.00
462-034	107H	800	Orange	103.00
462-035	112H	–	Purple	93.00
462-036	115H	900	Yellow	93.00
462-037	125H	100	–	93.00



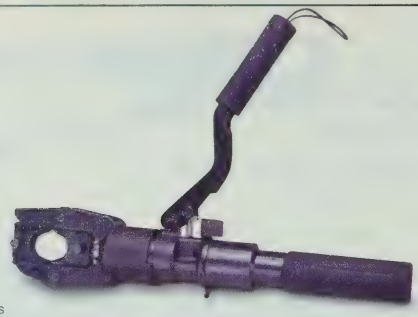
14 Ton Battery Powered Compression Tool

This is a self-contained battery operated 14 ton compression tool. Its 1.65" jaw accepts mid-span copper and aluminum splices and cables up to 750 MCM. Press the trigger and the hydraulic ram applies 14 tons of force, so you get the same crimp every time. Virtually eliminate operator fatigue and strain from applying lugs and splices.

The tool head swivels 360° to get into cramped areas. Whether you're in a building, up a pole or down in a vault, the simple operation will make fast work of your splicing. The tool accepts all Thomas and Betts shell type dies and comes complete with carrying strap, carrying case, two battery packs, and 15 minute charger.

Cat. No.	Mfr. No./Description	Each
462-614	TBM14BSCR 14 Ton Compression Tool	$5350.00

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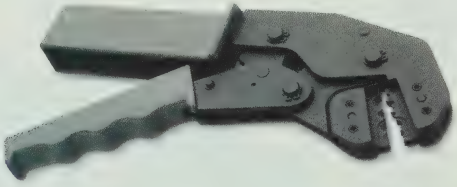


FCI
BURNDY Products

Y500CT Hydraulic Crimp Tool

Provides 6 tons of force for applying splices, taps or terminals: #8~500kcmil copper strand, #8~350kcmil Flex or #8~4/0AWG aluminum. The head can rotate 180° for access. Audible indication of completed crimps. 15.1" long, 6 lbs. Two year warranty.

Cat. No.	Mfg. No./Description	Each
181-500	Y500CT Hydraulic Crimper w/o dies	$1125.00
181-525	W25VT Die for 1/0 Copper	90.00
181-528	W28VT Die for 4/0 Copper	90.00
181-502	W2CVT Die for #2 Copper	90.00
181-501	W-C Die	85.00



FCI
BURNDY Products

Terminal Crimper

A full-cycle ratchet crimper designed to apply uninsulated terminals and splices from #8~22AWG. 9 1/2" long, 1.2 lbs. 5 year warranty.

Cat. No.	Mfg. No./Description	Each
181-008	Y8MRB-1 Ratchet terminal crimper	$175.00



FCI
BURNDY Products

Terminal Crimper

Ratcheting crimp tool designed to apply insulated terminals in the size range 10~22AWG. Easy identification of proper crimp cavity via color dots. Tool is UL listed for use with Burndy connectors. 8.9" long, 1.1 lbs. 5 year warranty.



Cat. No.	Mfg. No./Description	Each
181-015	MR15 Insulated Terminal Crimper UL	$175.00



FCI
BURNDY Products

Y750 12 Ton Hydraulic Crimper

The Revolver Hypress tool has a wide mouthed, C-shaped infinitely rotatable head for all compression applications. Designed for easy tapping, splicing and terminating of overhead lines as well as grounding system connectors, NEC connections and N30-N650 Navy cable. The tool is covered with rubber and the **181-752** has a rubber covered crimp head. 25.5" long, 16 lbs. Two year warranty.

Cat. No.	Mfg. No./Description	Each
181-750	Y750 Hydraulic Crimper	$1675.00
181-752	Y750-2 Hydraulic Crimper w/insulated Head	1675.00

Die Sets for Y750

Cat. No.	MFG.#	Wire Size	Color Code	Each
17-100	U-C	2-14	Brown	$217.80
17-104	U-1104	500-14	Brown	223.68
17-111	U-11T-1	8-14	Green	223.68
17-654	U-654	250-14	Purple	134.20

Cat. No.	Mfg. #	Wire size	Flex	Color code	Each
181-100	U-8CRT	8		Red	$110.00
181-101	U-5CRT	6		Blue	110.00
181-102	U-4CRT	4		Grey	110.00
181-103	U-2CRT	2		Brown	110.00
181-104	U-1CRT-1	1		Green	110.00
181-105	U-25RT	1/0		Pink	110.00
181-106	U-26RT	2/0		Black	110.00
181-107	U-27RT	3/0		Orange	110.00
181-108	U-28RT	4/0		Purple	110.00
181-109	U-29RT	250MCM		Yellow	110.00
181-110	U-30RT	300MCM	250MCM	White	110.00
181-111	U-31RT	350MCM	300MCM	Red	110.00
181-112	U-32RT	400MCM	350MCM	Blue	110.00
181-113	U-34RT	500MCM	450MCM	Brown	110.00
181-114	U-38RT	535MCM	500MCM	Pink	110.00
181-115	U-36RT	600MCM		Green	110.00
181-116	U-39RT	750MCM	600MCM	Black	110.00



FCI
BURNDY Products

Electrical Crimper

The Y2MR crimper applies HYDENT copper compression connectors is a size range of #8 through #2 Class B or Class I flexible strand copper conductor. It features a color-coded die 'wheel' which spins the proper size crimp cavity into position. Die has embossment for visual inspection of crimps. 10.5" long, 1.5 lbs. 5 year warranty.

Cat. No.	Mfg. No./Description	Each
181-002	Y2MR Crimper	$255.00

DARKSTAR TECHNOLOGIES

SCSI Cable Checker

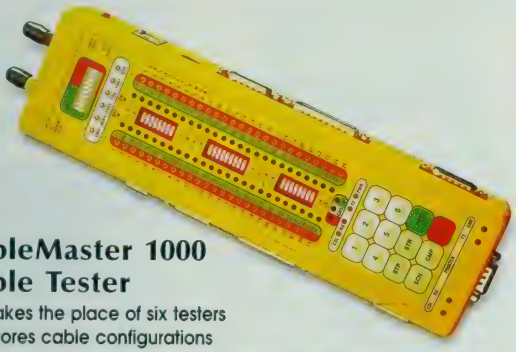


- Portable and battery powered

Tests and checks the pin-outs of 50 Pin Centronix, 50 Pin Micro D and 68 Pin Micro D SCSI cables. Sequences wire-by-wire to determine whether a cable is good or not. Offers a quick solution to such cable problems as random errors, data corruption, impaired performance and system crashes. 9V battery included. (USA)

Cat. No.	Mfr. No./Description	Each
567-050	D370 SCSI Cable Checker	$299.00

For replacement batteries, see page 282



CableMaster 1000 Cable Tester

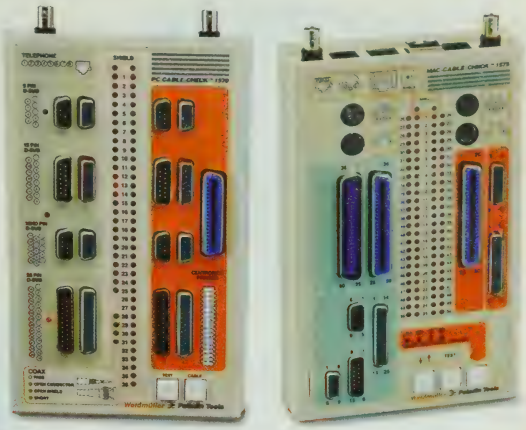
- Takes the place of six testers
- Stores cable configurations

A compact cable tester which combines the functions of six testers in one. Tests the pin-out of DB-9, 15, and 25 cables, RJ-45 cables, and ST fiber optic cables. It has built-in intelligence for comparing common PC cables and room for three user-defined cable configurations. The fiber tester has a power bar graph for testing patch cords. It includes a full 100 LED breakout box and can monitor, via its DB-15 port, the activity of Ethernet networks. Complete with four 9V batteries and nylon case with 3' multi-gender cables. 3.5 x 2.5 x 11", 2.9 lbs.

Accessory Kit includes nylon carrying case, 3' dual gender DB-25 25-conductor cable, 3' dual gender DB-15 15-conductor cable, 3' straight through UTP cable with RJ-45 connectors, 3' fiber optic reference cable, 62.5/125um, with ST connectors, breakout box jumpers, and user manual. (USA)

Cat. No.	Description	Each
415-001	CableMaster 1000 Cable Tester	$695.00
415-002	Accessory Kit	295.00

For replacement batteries, see page 282



Paladin Tools®
PC and Macintosh Cable Checkers

- Portable, battery-powered convenience
- Quickly troubleshoot computer cables

Tests and checks the pin-outs of a wide variety of cables used in Intel-based and Macintosh computers. Checkers sequence wire-by-wire, showing exactly how cable is wired. Quickly determines whether a cable is good, or how it is wired for duplication. Powered by one 9V battery included. (USA)

Connector	PC Cable Checker	Mac Cable Checker
DB-9, 15, 25	✓	✓
VGA 15	✓	
Centronix 36	✓	
Centronix 50		✓
BNC coax	✓	✓
RJ-11/RJ-45	✓	✓
5 and 8 pin miniDIN		✓
HDI-30 (PowerBook)	✓	

Cat. No.	Mfr. No./Description	Each
497-300	1570 PC Cable Checker	$150.00
497-003	1575 Mac Cable Checker	199.65

For replacement batteries, see page 282

IDEAL

Coax Mini Tester



- Tests coax cable terminating with BNC connectors

Quickly and reliably test for opens and shorts on coax cable. There are two modes of operation; standard and Hi-Z for long runs. This allows you to test for 50/75Ω and 500Ω terminators. Small size makes it perfect for technicians to carry. Includes 6V battery and 500Ω terminator. (USA)

Cat. No.	Mfr. No./Description	Each
600-158	62-204 Coax Mini Tester	$46.50

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

ShortStop Cable Fault Finder



- Find distance to opens & shorts
- Tests all common cables

Now a truly easy to use and affordable TDR is available for contractors, electricians, cable and alarm installers who need to test for opens and shorts in all types of wire including Coax, 2 wire shielded, twisted multi-pair and AC wire. It will measure cable length on spools, in the wall and on the ground, as well as inject a tone onto the line for cable tracing. Adjustable VOP allows for more accurate readings. It is water-resistant; input protected to 250 VAC and gives an audible indication of shorted wires and hazardous AC voltage. Unit includes four AA batteries and a clip lead adapter.

Cat. No.	Description	Each
166-001	ShortStop Cable Fault Finder	$349.00

For replacement batteries, see page 282

BIDDLE INSTRUMENTS

Handheld TDR



- Perfect for Telecom, CATV, wireless and power cables
- Large easy-to-see display

This battery powered, handheld TDR can identify many types of faults on any cable consisting of at least two insulated metallic conductors. It has internal matching networks of 25, 50, 75 and 100 Ohms. The balance and velocity of propagation controls allow you to closely match any cable. It has a measurement range of 30 to 9000' with resolution of four inches. The unit autoranges around the cursor giving the best view of the fault. The large back lit display is easy to read. Includes case, leads, manual and 6 AA batteries. 9 x 4.5 x 1.9", 1.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-501	510E TDR	$1450.00

For replacement batteries, see page 282

NEW

MICROTEST®

MICROSCANNER™ Pro



- All-in-one Cable & Network Tester

It can test both coaxial and all twisted pair cable and even troubleshoot any other two-wire networks like speaker wires, security networks or telephone cabling. It measures length and distance to fault, using true TDR for the most accurate reading. The TDR can even be used to inventory cable or perform job costing on installed cable.

The MICROSCANNER™ Pro tests wiremap for crossed and split pairs on twisted pair cables and finds opens and shorts on all cabling. It has four unique toners for finding hidden cabling. With the room/office identifiers you can easily determine routing at the patch panel and document twisted pair and coax networks easily. A key feature is the detection of active 10/100 networks and identifies whether the network is running at 10 or 100Mbps and identifies if it is half or full duplex capable. It will even flash the hub port lights for easy identification. MICROSCANNER™ Pro for IT/network managers also includes 3 dual UTP/Coax room identifiers and a carrying case.

Cat. No.	Description	Each
559-070	MICROSCANNER™ Pro	$399.00
559-071	MICROSCANNER™ Pro for IT/network managers	539.00
559-072	Bare Wire Adapter	19.00
559-073	Carry Case	29.00
559-075	Office/Room ID Kit	119.00

BIDDLE INSTRUMENTS

NEW

MEGGER® CLM200 Cable Length Meter



- Measures cable length to 6,000 feet

A handheld unit that measures the length of telecommunication, data communication, RF, small signal and power cables on drums, in cut lengths or in installed sections. Ergonomically designed, robust and simple to operate. Measures up to 6,000 feet and will detect and give distance to fault for opens and shorts. The CLM200 is pre-programmed with the characteristics of 26 different standard cables to achieve the most accurate results, however, cable impedance and velocity factor are also user selectable to ensure that any cable construction and type can be measured. Includes male and female BNC connectors and an alligator clip adapter for stranded cables. 8 x 3 x 1.5".

Cat. No.	Description	Each
293-025	MEGGER® CLM200 Cable Length Meter	$430.00



BIDDLE INSTRUMENTS

General Purpose TDR

- Dual input and output ports
- 15 memories

An advanced TDR for identifying cable faults. Use it on telephony cables and graphically view any faults or line activity such as opens, shorts, taps, branches, load coils, transformers, capacitor networks, splices, water saturations and crosstalk in a range up to 48,000' (16km). It is completely adjustable, so even minor faults far out on the cable can be identified. With dual ports and 15 trace memories, you can perform comparative tests. RS232 port and included software lets you print or download your trace memories. Includes case, test leads, manual and six AA batteries. 9.8 x 7.9 x 4.3", 3.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-535	CFL535E TDR	$2750.00

For replacement batteries, see page 282





IDEAL

DataLite Power Unit and Modules

- Saves time and money

Now you can easily identify networking cables for installs, moves, adds, and changes without the inconvenience of a tone generator or excessive labeling. DataLite uses light to quickly and accurately locate cable by injecting an electrical pulse into the cable and lighting up an RJ-45 module on the patch panel. Works with virtually any wiring scheme (10base-T, 568A, 568B, USOC, etc.) and on punch-down blocks with an RJ-45 adapter. **DL100 Turbo Kit** includes power unit, 100 Modules, 12' patch cord and carrying case. **DL300 Turbo Kit** is designed for large jobs where alot of cabling needs to be identified. It contains two power units, one providing green light, the other red light. This allows you to work twice as fast as the original DataLite. Includes (2) power units - red and green, 300 datalite modules, (2) patch cords and carrying case. (USA)

Cat. No.	Description	Each
600-169	DataLite Power Unit	$18.95
600-170	DataLite Power Unit w/25 DataLites	59.95
600-171	DataLite Modules, 100 pk.	165.95
600-172	DL100 Turbo Kit	199.95
600-173	DL300 Turbo Kit	499.00



LanMaster Combo Kit

- Quick continuity test on CAT5 lines

A cable termination-testing device with one port for the cable lead and an audible sounder for tone verification. It also contains an LED light indicating DC shorts. Kit is complete with PocketToner2, (2) RJ-45s, Alligator Clip, BNC Adapters, and 66 Block Check to test LAN installations. The RJ-45 mod-connectors are configured with a USOC 10-BaseT system which can be utilized in 568A and 568B modes as well. Technicians can test circuit integrity in new or installed cable runs (including patch panel) with an audible tone that identifies the line carrying the signal.

Cat. No.	Description	Each
454-005	LanMaster Combo Kit	$89.00

Paladin Tools®

LAN ProNavigator™ (Network Data and Coaxial Cable Tester)

- Tests data, telephone and BNC connected cables
- Built-in tone generator



Portable two-piece tester that will test UTP and STP data cable for opens, shorts, crossed wires and split pairs for EIA/TIA-568A, 568B, Token Ring, 10BaseT and USOC. It will also test BNC connected 50 and 75 ohm coax cable for continuity. Contains a simple, one-button operation for Pass/Fail or fault check. Pass/Fail test gives results in one second, which allows technicians to quickly move on to the next test site. Fault Check will provide the full test that indicates the type of fault and which pair(s).

It also provides an oscillating audio tone generator that can be picked up with any tone probe, so that you can easily locate cables. Comes with belt clip and lanyard holes embedded in case to attach to belt or wrist. Auto-off function to preserve battery life. 9V battery not included. (USA)

Cat. No.	Description	Each
497-007	LAN ProNavigator	$119.95
473-005	Industrial Alkaline 9V	3.15

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



DARKSTAR TECHNOLOGIES

Pocket Sized Cable Testers

Basic Testers

D200 T568/10BaseT/USOC indicates short, open, reversed pairs on RJ45 cable.**D210 USOC** indicates short, open, reversed pairs on RJ-45 and RJ-11 cable. **D220 BNC** Thinnet indicates open, short, traffic present, and terminator good.
D250 10Base-T tests wired cables for continuity, cross wires, opens, shorts and split pairs. (USA)

Cat. No.	Mfr. No./Description	Each
567-201	D200 T568/10BaseT/USOC Cable Tester	$79.00
567-210	D210 USOC Cable Tester	79.00
567-220	D220 BNC Thinnet Cable Tester	99.00
567-250	D250 10Base-T Split Pair Tester	149.00

For replacement batteries, see page 282



DARKSTAR TECHNOLOGIES

Advanced Testers

D320 Ethernet Unit tests 10BaseT cable for open, short, or crossed pairs. Thinnet tested for open, short, terminator good, and traffic present.
D330 Telephone Tester tests USOC cables for open, short, and crossed pairs. Indicates pair one active analog. Protected against ring voltage and provides talk battery on pair one.
D340 Token Ring Tester indicates open, short, or swaps on four conductors and shield. Test station and MAU cables shorting bar.
D350 Performs all 10Base-T tests of D320 and detects split pairs, activates hub port, and indicates if traffic is present. (USA)

Cat. No.	Mfr. No./Description	Each
567-320	D320 Ethernet Unit Cable Tester	$199.00
567-330	D330 Telephone Cable Tester	199.00
567-350	D350 Cable Tester	229.00

For replacement batteries, see page 282.

DATACOM TEXTRON

MAPcat 1100 Twisted Pair Fault Tester



➥ **Low cost cable tester including split pairs**

Simply insert a remote terminator into a wall jack and connect the MAPcat 1100 at the other end of the cable. Once the test is run, a large display flashes fault codes when a fault exists and indicates the number of the cable being tested. Includes remote terminator #1, 9V battery and user manual. (USA)

Cat. No.	Mfr. No./Description	Each
599-005	MAPcat 1100 Twisted Pair Fault Tester	$249.00
599-012	Remote Identifier Kit #2-4	85.00
599-013	Carrying Case	19.00

For replacement batteries, see page 282

FLUKE networks™

620 CableMeter



Upon installing a connector, you can test the connection for shorts, opens, and split pairs. No connector or loop back is required on the other end of the cable, saving time and money. Determine length and distance to fault on twisted pair cable.

Kit includes carrying case, Category 5 patch cable, female RJ-45 coupler, loop back/cable identifier #1, two AA batteries and user manual. 7.25 x 3.9 x 1.8", 12.5 oz. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
317-620	620 CableMeter Kit	$595.00
317-621	Cable Identifiers for 620 #2-4	90.00
317-622	Cable Identifiers for 620 #5-8	120.00

For replacement batteries see page 282





Paladin Tools®

Patch-CheckPlus Cable Tester

➥ Remote testing of voice data media
➥ Tests cable up to 1200' long

Verifies continuity of each wire (not pairs); identifies open, shorted and cross-connected wires with an LED display and audible signal. Each touch of the button compares one pin on the transmit side to the corresponding pin on the receiver. Includes one transmitter, one receiver, 9V battery and system interconnects for RJ-11, RJ-45 and MMJ (DEC). (USA)

Cat. No.	Description	Each
497-531	Patch-CheckPlus Cable Tester	$279.00

For replacement batteries, see page 282

PROGRESSIVE ELECTRONICS

468 Modular Cable Tester

➥ Tests 258, T568A, T568B, 10BaseT, and USOC
➥ Built-in tone generator



565-468 is designed to test cables terminating with RJ-45 plugs. It cycles through each pair combination continuously and will identify opens, shorts, reversals, and transposed pairs. Tester will even alert the user if it's connected to an active circuit without harming the unit. A tone is placed on each pair and can be picked up at the far end of cable with any inductive amplifier. Battery sold separately. (USA)

Cat. No.	Mfr. No./Description	Each
565-468	468 Modular Cable Tester	$115.00
473-005	9V Alkaline Battery (one required)	3.15



SLT-3 Modular Cable Tester

➥ Our most popular tester ➥ Two pieces for installed testing

Unique snap-together two piece design allows for testing installed cables easily. The Master unit applies a test voltage to pairs of either 568A, 568B or USOC 4 pair cables. The Remote unit then displays the corresponding green (straight through) or red (crossed over) results on its LEDs. No lights indicate open pair. 9V battery included. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
178-300	SLT-3 Modular Cable Tester	$140.00
23-605	SLT-3 Case	15.00

For replacement batteries, see page 282



Path Finder Wiring Tester

The Path Finder is a LAN and voice cable tester. It detects shorts opens, reversals, split pairs and mis-wires. Tests T568A/B, 10BaseT, TP-PMD, Token Ring, USOC, BNC coax. Generates tone on any pin for tracing with any tracing probe. Complete with case, 9V battery, four remote loop-backs and coax terminator; nothing else is necessary. (USA)

Cat. No.	Mfr. No./Description	Each
600-812	33-812 Path Finder Wiring Tester	$268.00

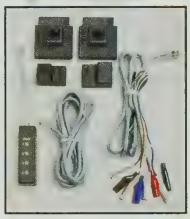
For replacement batteries, see page 282

Independent Technologies Test-All IV



- Four pair testing
- Switch selectable pair and test function
- Line voltage, pair continuity, audio tone injections
- Adapters for 66, 110, and Bix included

Reliable functions for multi-wire system testing. Each pair (USOC configured) has tri-color LED indication for AC/DC line voltage and continuity. Separate pairs can be injected with warble tone for ID tracing. Included remote shorting adapter aids in one man testing of continuity, miswires and reversals. Contains adapters for direct block connection, RJ-45 test jumpers (one each long, short, and with alligator clips), 9V battery, carrying case and operation manual. One year manufacturer's warranty. (USA)



Cat. No.	Description	Each
43-900	Test-All IV Cable Tester	$255.00

For replacement batteries, see page 282



Independent Technologies Test-All IV® +Plus

- Programmable terminators (00 to 99)
- Stores and downloads results (up to 500 records)
- Locate split pairs to within 3'

The Test-All IV +Plus is a four pair Copper Cable Continuity Test Kit that performs all standard continuity tests for opens , shorts, reversals and crosses from wiring closet to terminal or terminal to wiring closet. It will store and download up to 500 test records to a desktop or laptop/PC for storage or printout. Results can be viewed on the test set screen or a PC screen (in color and 3D). Finds true split pairs down to 3 feet. Display wire mapping site and records management plus pass/fail and time date stamp. Will even detect foreign voltages and is protected up to 450VAC.

The TDR function measures and displays length and distance to fault for all 4 pairs automatically. Accuracy to within 1 foot in cables up to 2,000 feet. Test Set software upgrades can be downloaded directly from manufactures web site. Kit includes test set, two Terminator 4w/ Short Cord, AC transformer, Carry Case, Windows application software, CAT5 cord, two 4 pr./110 adapters, 4 pr./66 adapter, two 9V batteries, user manual.

Cat. No.	Description	Each
43-600	Test-All IV +Plus Kit	$899.00

THE SIEMON COMPANY

STM-8 Handheld Tester



- Test T568A, T568B, USOC, 10Base-T, Token-ring and TP-PMD

Capable of testing up to 2,950' of 1-, 2-, 3- or 4-pair cable for opens, shorts, reversals, miswires and cross-twists. One person can quickly test and identify up to four different cables at one time. Generates tone on any pin and provides talk battery on the center two pins.

The presence of line voltage is indicated on the display to prevent accidental damage to the unit. A low battery indicator is provided, as well as automatic shut-off to preserve the battery. **Optional remote plugs** allow multiple channel testing.

STM-8 Kit consists of a handheld master unit, remote plug "A", in-line coupler, modular cord, wiring reference guide, 9V alkaline battery and padded nylon carrying case. (USA)

Cat. No.	Mfr. No./Description	Each
425-201	STM-8 Handheld Modular Test Kit	$230.00
425-202	Optional Remote Plugs ("B","C", "D")	42.00

For replacement batteries, see page 282



IDEAL

LinkMaster Tester

- Test shielded and unshielded cables

This small handheld tester will quickly and reliably test twisted pair cable for continuity and configuration (T568A/B). It will show open circuits, shorts, miswires, reversals and split pairs. A shield detection feature is included to allow you to test the integrity of the cable shielding, and a full T568A/B wiring chart is printed on the remote unit so you can never confuse the two wiring schemes again. Comes with 6V battery installed in main unit and has a low battery LED that illuminates when replacement is necessary. (USA)

Cat. No.	Description	Each
600-156	LinkMaster Tester	$97.95



PROGRESSIVE ELECTRONICS

Load Coil Detector

- Designed to withstand the rigors of daily use
- Quickly troubleshoot dedicated lines

Designed for the telecommunications market, the model 88 will identify the presence and count the number of load coils on an active or inactive circuit. No complicated screens or test instructions to decipher. Simply connect the test leads and turn the switch. While gradually turning the control, the display will "kick" to signify each coil detected on the pair. The tester will accurately identify and count up to four load coils on the circuit under test.

Cat. No.	Description	Each
565-015	Load Coil Detector	$79.00

BIDDLE INSTRUMENTS

MEGGER® SCT100 Structured Wiring Tester



- Tests TIA568A/B, USOC, ISO11801 & EN50173 configured networks
- Results displayed at both ends

The Megger SCT100 Structured Cabling Tester checks and verifies UTP and STP patch cables and installed networks, providing simple and instant results via LED indicators. It will test for shorts, opens, pair reversal, transposed pairs, and shorts between pairs. Results are displayed on both the remote and the main unit which saves the user a considerable amount of time when many cables need to be checked. A continuously sequencing LED display enables the indication of intermittent faults by monitoring the test sequence over an extended period of time. A magnetic switch within the main unit keeps both units locked together when not in use and acts as a magnetic switch causing it to power up or down when units are separated or joined. 5.7 x 2.25 x 1.5" (closed).

Cat. No.	Description	Each
293-027	MEGGER™ SCT100 Structured Wiring Tester	$170.00



TROMPETER ELECTRONICS, INC

BNC Cable Assembly Tester

Designed to test for the proper assembly of BNC plugs with coax cables. Tests for center contact pin height and for continuity (shorts and opens). LED indicators will show if the test found an open or short or if it passed. Comes complete with terminators, case and 9V battery.

Cat. No.	Description	Each
129-010	BNC Cable Assembly Tester	$213.00

BIDDLE INSTRUMENTS

MEGGER® CXT100 Coaxial Cable Tester



- Indicates which end of cable that fault is present

A handheld battery-powered unit for testing coaxial cable assemblies. It is suitable for "thin net" applications as well as CATV and RF/Microwave broadcast. It will indicate an inner conductor open circuit, outer conductor open circuit, short circuit faults and determine which end of the cable that the fault is situated. A double tone will sound if the cable passes. Test sequence is performed every 200ms to ensure intermittent faults are detected and located. 4.3 x 2.5 x 1".

Cat. No.	Description	Each
293-026	MEGGER™ CXT100 Coaxial Cable Tester	$75.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



PROGRESSIVE ELECTRONICS

Open Fault Meter

- Effective range up to 20,000 feet

The model 230 Open Fault Meter does away with all of the complex procedures and instructions. It is field calibrated for accurate results every time and easy, step-by-step instructions let first time users find opens fast. It's unique design allows the 230 to be used on both clean and dirty opens. The unit will read through cross battery, grounds, and shorts without affecting performance. At half the size and weight of other units, it can easily be used on poles when working aerial troubles. The meter is housed in a protective carrying case and includes a shoulder strap. 10 x 7.5 x 3.5". Requires 8 AA batteries, included.

Cat. No.	Description	Each
565-017	Open Fault Meter	$453.00



PROGRESSIVE ELECTRONICS

Resistance Fault Meter

- Effective range up to 20,000 feet
- Compact size and lightweight portability
- A clear LCD display provides distance in feet

The 210 Resistance Fault Meter provides telecommunication technicians with an easy-to-use method of measuring distances to faults or straps on outside plant telephone wiring. Installation, maintenance, loop, and cable repair technicians can successfully locate high resistance shorts, grounds, and crosses even in the presence of foreign voltages. The simple operating instructions and easy to follow reference label lets new technicians diagnose trouble on the first call. Come complete with extra long, 48 inch test leads with bent nose piercing clips for use on terminated or non-terminated pairs, along with a durable protective case. 10 x 7.5 x 3.5". Operates on 8 AA batteries, included.

Cat. No.	Description	Each
565-016	Resistance Fault Meter	$670.00



CableCatch



Lite WrapStrap



CableWrap



CinchStrap

RIP-TIE

Cable Ties

The best way to arrange cables, cords, and wires quickly and securely. **CableWraps** allow you to organize cable groupings with ease. **CableCatch** lets you organize cables against a surface simply by peeling away the backing and adhering to a desk or equipment rack. **Lite WrapStraps** are an economical way to secure cables together with the ability to use them over again. The **CinchStrap-EG** has an end grommet that lets you safely suspend cables from wiring racks, mobile carts, walls, doorways and in wiring closets. (USA)

Cat. No.	Description	Size	Color	Each 1-4	5-9
59-001	CableWrap, 10 pk.	1 x 6"	Rainbow	$23.95	$22.75
59-002	CableWrap, 10 pk.	1 x 6"	Black	23.95	22.75
59-003	CableWrap, 10 pk.	5/8 x 6"	Rainbow	19.95	18.95
59-004	CableWrap, 10 pk .	5/8 x 6"	Black	19.95	18.95
59-005	CableWrap, 10 pk.	1 x 9"	Rainbow	26.95	25.60
59-006	CableWrap, 10 pk.	1 x 9"	Black	26.95	25.60
59-007	CableCatch, 5 pk.	1 x 2"	Gray	13.95	13.25
59-008	CableCatch, 5 pk.	1 x 4"	Black	15.95	15.15
59-009	Lite WrapStrap, 10 pk.	1/2 x 8"	Rainbow	9.00	8.55
59-010	Lite WrapStrap, 10 pk.	1/2 x 8"	Black	9.00	8.55
59-011	Lite WrapStrap, 10 pk.	1/2 x 5"	Rainbow	7.50	7.13
59-012	Lite WrapStrap, 10 pk.	1/2 x 5"	Black	7.50	7.13
59-013	Lite WrapStrap, 10 pk.	1/2 x 12"	Rainbow	12.50	11.88
59-014	Lite WrapStrap, 10 pk.	1/2 x 12"	Black	12.50	11.88
59-015	CinchStrap-EG, 10 pk.	1x7"	Black	34.95	33.20
59-016	CinchStrap-EG, 10 pk.	1x7"	Rainbow	34.95	33.20
59-017	CinchStrap-EG, 10 pk.	1x10"	Black	36.95	35.10
59-018	CinchStrap-EG, 10 pk.	1x10"	Rainbow	36.95	35.10

Cable Tie Installation Tools

➥ Speeds tie application ➥ Cut ties flush for safety

Use these tools for applying a wide variety of ties to cable bundles making for a fast application and a clean cut-off. All the tools except the QC-100 have adjustable tensioning to control the amount of grip the tie exerts on the item it's wrapped around.

462-100 is a lightweight pocket sized tool for least critical applications.

462-101 is an economy tool. Made of metal it has an automatic cut-off that removes excess strap flush against cable tie head.

462-102 is a heavy-duty version of L-200 and made of glass-filled plastic. The lighter weight is easy on the wrist.

462-103 Ty-Gun™ offers a 380° rotatable nose so tool can be used in any position. An adjustable hand span and anti-recoil mechanism reduces vibration shock and wrist stress. Weighs only 8.5 oz. (Sweden)

462-104 is similar to the ERG-299 but has a red handle and is for greater strength ties. (Sweden)



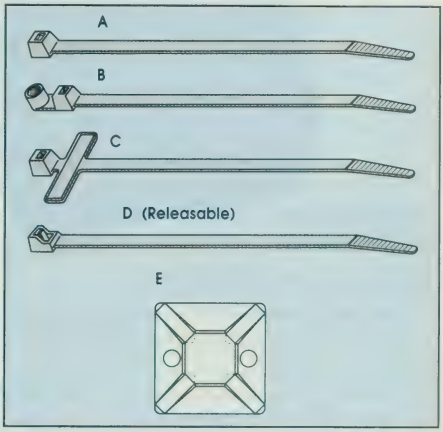
Cat. No.	Mfr. No./Description	Tensile Strength	Each 1-5	6-11
462-100	QC-100 Pocket Cable Tie Tool	18-50 lbs.	$20.00	$18.00
462-101	L-200 Economy Cable Tie Tool	18-50 lbs.	73.00	65.70
462-102	L-400-C Heavy-Duty Cable Tie Tool	18-50 lbs.	114.00	102.60
462-103	ERG-299 Ty-Gun Cable Tie Tool	18-50 lbs.	145.00	130.50
462-104	ERG-297 Heavy-Duty Ty-Gun Cable Tie Tool	50-120 lbs.	230.00	207.00

Black Nylon UV Rated Cable Ties and Mounts

These nylon ties and mounts are designed to aid in lashing cables together for a clean installation. Each size is rated for tensile strength and works with any of the tensioning tools listed.

Cat. No.	Type	Qty.	Approx. Length	Max. Dia.	Tensile Strength	1-5	6-11	12-24
462-105	A	500/pk.	14"	4"	50 lbs.	$37.00	$33.30	$32.56
462-106	A	1000/pk.	8.5"	2"	40 lbs.	25.00	22.50	22.00
462-107	A	1000/pk.	6.5"	1.5"	18 lbs.	18.00	16.20	15.84
462-108	A	100/pk.	7.5"	1.75"	50 lbs.	3.00	2.70	2.64
462-109	A	1000/pk.	4"	5/8"	18 lbs.	9.75	8.78	8.58
462-110	A	100/pk.	8"	2"	18 lbs.	2.50	2.25	2.20
462-111	A	100/pk.	5.5"	1.25"	30 lbs.	2.35	2.12	2.07
462-112	A	100/pk.	14"	4"	120 lbs.	12.00	10.80	10.56
462-113	B	100/pk.	7.5"	1.75"	50 lbs.	5.75	5.17	5.06
462-116*	C	100/pk.	4"	.75"	18 lbs.	5.25	4.72	4.62
462-119	D	100/pk.	8"	2"	50 lbs.	6.00	5.40	5.28
462-117	E	100/pk.	.75 x .75" Self Adhesive Mount for 18-40 lb. Ties			5.25	4.72	4.62
462-118	E	100/pk.	.75 x .75" Screw-on Mount for 18-40 lb. Ties			9.50	8.55	8.36

*Natural color and not UV rated.



500 Multi-Purpose Cable Ties

Bundle of 200 4" 18 lbs. strength, 100 5.6" 30 lbs. strength, and 200 7.5" 50 lbs. strength cable ties for many uses. UV rated and comes in a convenient plastic container. (USA)



Cat. No.	Description	Each
462-062	500 Multi-Purpose Cable Ties	$9.95

Plenum Rated Cable Ties

UL listed cable ties that meet the National Electrical Code for a Plenum rating. Three sizes available in packs of 1000.



Cat. No.	Description	1000/pk.
462-063	4" Plenum Rated Cable Tie	$35.00
462-064	7" Plenum Rated Cable Tie	63.00
462-065	11" Plenum Rated Cable Tie	169.00

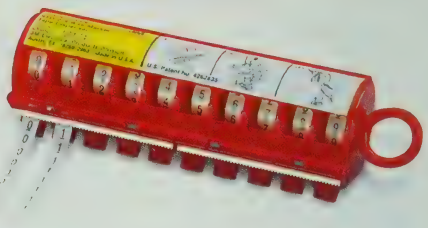
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3M Write-On Tape System

Tape is self-laminating and resistant to dirt, oil and heat. Each roll of tape contains 250 labels. Write-on permanent marker included. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
649-333	SWD Write-On Tape System	$25.00	$22.50
649-337	SWD-R Tape Refill	18.75	16.88
649-335	Replacement Marker, Black	1.75	1.58



3M WireMarker Dispenser

Pre-Loaded with 10 rolls of numbers (0-9) or colors to identify cables or circuits. Dispenser protects the adhesive-backed rolls from dirt when not dispensing and includes a metal cutter. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11	12+
251-098	STD-0-9 Dispenser with 0-9 Numbers	$32.00	$28.80	$28.16
251-777	STD-C Dispenser with 10 Colors	30.00	27.00	26.40
251-013	STR-0-9 Refill, 0-9 Numbers, 1 roll each	20.00	18.00	17.60
251-090	STR-MC Refill, 10 Colors, 1 roll each	19.75	17.77	17.38



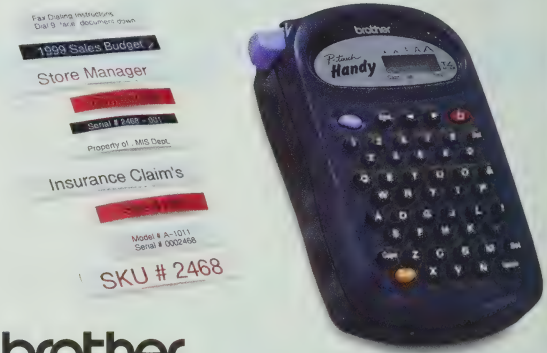
STANLEY

HeavyDuty Labeler™

Handheld Portable Design

The HeavyDuty Labeler™ has an easy to use keyboard and a large 8 character LCD display. It prints with 1 font, 5 type sizes, and 9 type styles with 45 variations. It will print on 1 or 2 lines and has text framing and underlining features. It will work with 1/4", 3/8", and 1/2" tape widths. The adhesive-backed laminated labels are constructed with polyethylene making them resilient to abrasion, fading, moisture, chemicals and extreme temperatures. The super strength tape is suited for harsh environments and on textured surfaces. Labeler includes 6 AAA batteries, 1 tape cassette, user's guide, and tape separator. **108-101** also includes a carrying case and 2 tape cassettes. 6.1 x 5.1 x 2.5".

Cat. No.	Description	Each
108-100	HeavyDuty Labeler™	$59.95
108-101	HeavyDuty Labeler™ w/case	75.00
108-102	1/2" x 26' Black on White Tape	17.95
108-103	1/2" x 26' Black on Clear Tape	16.95
108-104	1/2" x 26' White on Black Tape	20.95
108-105	1/2" x 26' Black on Yellow Tape	17.95
108-106	1/2" x 26' Black on White Strong Adhesive Tape	22.95
108-030	3/8" x 26' Black on Clear Tape	12.95
108-031	3/8" x 26' Black on White Tape	15.95
108-032	1/4" x 26' Black on Clear Tape	12.95
108-033	1/4" x 26' Black on White Tape	13.95



brother

PT-1200 Label Printer

Uses 3 different tape widths (1/4, 3/8, 1/2")

The PT-1200 is easy to use. It has 8 type styles, 5 type sizes, prints horizontally and vertically plus it prints up to 2 lines and underlines and frames text. It has 70 built-in symbols and uses the TZ laminated tapes. Includes (1) TZ laminated tape and (6) AAA batteries. 3.9 x 6.5 x 1.9", 1 lb.

Cat. No.	Mfr. No./Description	Each
108-043	PT-1200 Label Printer	$79.95
108-044	AC Power Supply	19.95
108-028	Black/Clear Tape, 1/2"	15.95
108-029	Black/White Tape, 1/2"	16.95
108-030	Black/Clear Tape, 3/8"	12.95
108-031	Black/White Tape, 3/8"	15.95
108-032	Black/Clear Tape, 1/4"	12.95
108-033	Black/White Tape, 1/4"	13.95

For replacement batteries, see page 282

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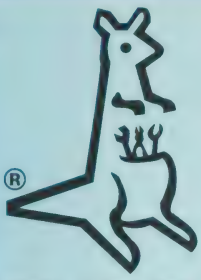
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PT-8000 P-Touch XL

- High quality thermal print head
- Creates laminated adhesive labels
- Prints in English, Spanish or French

A professional labeling system that features a full-size typewriter keyboard, and 48-character LCD display (24 Char. X 2 lines) to allow proofreading and editing of text before printing. It has a 3300 character text storage memory that allows most frequently printed data to be stored and recalled for future use, as well as over 200 different letters, numbers, symbols and more then 540 different type variations. It prints vertically or horizontally and up to 5 lines, 10 styles, 6 sizes, 3 fonts. It creates the most commonly used Bar Code protocols and has automatic consecutive numbering for labels requiring ascending codes. Includes AC adapter and one 1" x 50' black on white laminated tape. 11.8 x 11.9 x 3.1", 4.4 lbs.

Cat. No.	Mfr. No./Description	Each
108-800	PT-8000 Labeling System	$519.95
108-034	Optional Ni-Cd Battery	96.95
108-005	3/8" Black/Clear Tape	26.95
108-221	3/8" Black/White Tape	31.95
108-006	1/2" Black/Clear Tape	26.95
108-311	1/2" Black/White Tape	31.95
108-007	3/4" Black/Clear Tape	34.95
108-411	3/4" Black/White Tape	42.95
108-008	1" Black/Clear Tape	34.95
108-951	1" Black/White Tape	42.95

All tapes are 50' length and laminated.

Laminated Labels for PT-2410 and PT-2200

Laminated labels provide extra strength and durability against abrasions, spills, UV, chemicals, heat and cold. Each cartridge contains 26' of tape.

Cat. No.	Description	Each
108-024	1" Black/Clear Tape	$21.95
108-025	1" Black/White Tape	22.95
108-026	3/4" Black/Clear Tape	18.95
108-027	3/4" Black/White Tape	19.95
108-028	1/2" Black/Clear Tape	15.95
108-029	1/2" Black/White Tape	16.95
108-030	3/8" Black/Clear Tape	12.95
108-031	3/8" Black/White Tape	15.95
108-032	1/4" Black/Clear Tape	12.95
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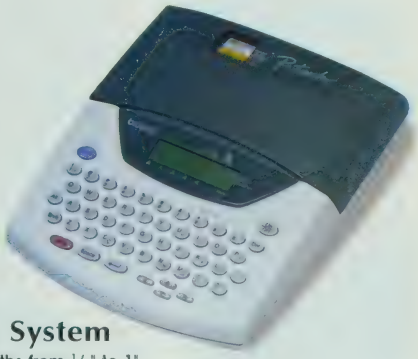


PT-2410 Labeling System

- 5 label widths from 1/4" to 1"
- Stand-alone or PC/MAC based printing
- Prints up to 3/4" high

Professional features make this system ideal for all applications. Includes 8 built-in fonts, 10 type styles, 8 type sizes, vertical and mirror printing, multi-line printing up to 7 lines, 51 key QWERTY keyboard and 7 bar code symbologies. By connecting the unit to your computer you can expand graphic creativity on your labels with over 700 provided clip art pictures and symbols. You can print any True Type® (fonts in your computer and it will support common graphic file formats such as BMP, JPEG, TIF, GIF and more. Unit includes deluxe protective carrying case, (1) TZ laminated tape, AC adapter, interface cable and PT-Editor/ Printer Driver software. Requires 8 AA batteries not included. 7.5 x 9.2 x 2.5", 2 lbs.

Cat. No.	Mfr. No./Description	Each
108-041	PT-2410 Labeling System	$260.00
473-002	Industrial Alkaline AA	.91



PT-2200 Labeling System

- 5 label widths from 1/4" to 1"
- Prints up to 5/9" high

The PT-2200 is easy to use and loaded with useful features including 4 built-in fonts, 8 type styles, 7 type sizes, vertical and mirror printing and 5 line printing (up to 48 points). It will also underline and frame text, auto number and repeat printing, and has a standard typewriter-style 51 key QWERTY keyboard. Unit includes (1) TZ laminated tape and (8) AA batteries. 7.4 x 9.2 x 2.5", 2 lbs

Cat. No.	Mfr. No./Description	Each
108-040	PT-2200 Labeling System	$160.00
108-042	Carry Case	22.00
108-035	AC Adapter	22.95

For replacement batteries, see page 282

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I.D. Pro™ Plus Wire Marker Printer

A small and affordable method to print wire, outlet, face plate and component labels on site and on demand. Weighing only 1.6 lbs. for versatility and portability. Accommodates three different material widths from .5" to 1.5". Prints up to eight variable lines of text and accepts a wide variety of labeling materials, such as self-laminating, vinyl cloth and heat shrink wire markers. Two type sizes with normal and bold are available, and the two-line liquid crystal display is 16 characters wide allowing you to preview the information to be printed. Other features include a rugged shuttle printhead, automatic label serialization and prints up to 250 labels between battery charges. Includes ribbon, NiCad battery pack and charger, wrist/belt cord and user manual. (USA)

Cat. No.	Description	Each
669-001	I.D. Pro Plus Wire Marker Printer	$389.00
669-002	Hardside Case	45.00
669-003	Battery Charger	20.00
669-004	NiCad Battery Pack	44.00
669-005	Black High-Performance Non-Smear Ribbon	8.95
669-051	PCK-4 Cleaning Kit	25.00

Identification Labels

Cat. No.	Description	Size	Each
669-007	Self-Laminating Vinyl Labels, 100/roll	1 x 2.5" (cable marking)	$19.00
669-053	Self-Laminating Vinyl Labels, 250/roll	1 x .75" (10-16 awg)	21.50
669-009	Self-Laminating Vinyl Labels, 250/roll	1 x 1" (10-12 awg)	24.00
669-008	Self-Laminating Vinyl Labels, 250/roll	1 x 1.25" (6-10 awg)	26.00
669-012	Self-Laminating Vinyl Labels, 250/roll	1.5 x 1.25" (6-10 awg)	31.25
669-054	Metallized Polyester Labels, 500/roll	1 x .5"	37.00
669-052	White Polyester Labels, 50' continuous roll	1" x 50'	88.60
669-015	White Polyester I.D. Labels, 250/roll	1.5 x .75"	21.75
669-020	White Polyester I.D. Labels, 250/roll	.5 x .275"	19.00
669-018	White Polyester I.D. Labels, 500/roll	.5 x .5"	24.00
669-013	White Polyester I.D. Labels, 500/roll	1.5 x .04"	32.00
669-017	Translucent Polyester I.D. Labels, 250/roll	1.5 x .75"	24.75
669-014	Translucent Polyester I.D. Labels, 500/roll	1.5 x .04"	32.00

Wire Marking Sleeves

Cat. No.	Description	Size	AWG	Each
669-021	White Polyolefin Heat Shrink, 500/roll	1.5 x .35"	12-18	$179.00
669-022	White Polyolefin Heat Shrink, 500/roll	1.5 x .5"	8-10	245.00
669-023	White Polyolefin Heat Shrink, 500/roll	1.5 x .75"	3-6	279.00





TLS2200 Thermal Barcode/Labeling System

A handheld, thermal transfer printer that weighs only 2.75 lbs. and can easily be held in one hand. It's a bar code and label printer with smart-cell technology that will recognize the label you're using, determine the text size, and automatically adjust itself. It accepts labels and wire markers up to 2" in width, has 203 dpi resolution, can rotate characters 90° or 270°. Prints standard electrical and telecommunication symbols, and variable font sizes from 4 to 28 point. Includes hard case, R6210 ribbon, battery pack, dust cover, battery charger, manual test labels, and one cleaning card. (USA)

Cat. No	Mfr./No. Description	Each
669-024	TLS2200 Printer	$795.00
669-025	TLS2200 AC Adapter	90.00
669-026	PCK-5 Cleaning Kit	13.00
669-027	TLS2200 Battery Pack	72.00
669-028	TLS2200 Battery Charger	35.00
669-029	R4310 Black Ribbon	19.50
669-030	R6010 Black Ribbon	19.50
669-056	R6210 Black Ribbon	19.50

Identification Labels

Cat. No.	Description	Size	Each
669-031	Self-Laminating Vinyl Labels, 100/roll	1 x 2.5"	$25.00
669-032	Self-Laminating Vinyl Labels, 100/roll	1 x 4"	23.00
669-033	Self-Laminating Vinyl Labels, 250/roll	1 x 1.5"	32.50
669-035	Self-Laminating Vinyl Labels, 250/roll	1 x 1"	25.50
669-042	White Polyester Labels, 250/roll	1 x 1"	21.00
669-044	White Polyester Labels, 250/roll	1.5 x 1"	24.00
669-045	White Polyester Labels, 100/roll	2 x 1"	17.00
669-055	Metallized Polyester Labels, 500/roll	1 x .275"	29.00
669-043	Metallized Polyester Labels, 500/roll	1.5 x .50"	44.50
669-046	Vinyl Cloth Labels, 30' continuous roll	.24" x 30'	29.00
669-047	Vinyl Cloth Labels, 30' continuous roll	.375" x 30'	30.00
669-050	Polyester Labels, 30' continuous roll	.5" x 30'	33.00

Wire Marking Sleeves

Cat. No.	Description	Size	AWG	Each
669-036	White Polyolefin Heat Shrink, 100/roll	1 x .235"	16 - 22	$34.50
669-038	White Polyolefin Heat Shrink, 100/roll	1 x .439"	10 - 16	46.50
669-039	White Polyolefin Heat Shrink, 100/roll	1.76 x .335"	16 - 22	46.00
669-041	White Polyolefin Heat Shrink, 100/roll	1.76 x .439"	10 - 16	62.00



Tektronix

TekRanger 2 Mini OTDR

➥ Battery powered portability ➥ One button fiber analysis
➥ Shock, water, dust resistant

Perfect for field testing and certification of multi-mode and single-mode fiber optic plants. Its small size and portability pack all the features you need. IntelliTrace Automated Fiber Analysis System adjusts and optimizes acquisition parameters so you don't have to.

Includes: disk drive, RS232 port, FTMAP software, hard transit case, power/charger adapter, quick reference and manual. **TFS3031 AN** is a multi-mode dual wavelength unit perfect for LANs, with ST connectors and outputs at 850 or 1300nM. **TFS3031 AX** is multi-mode and single-mode equipped, has ST and FC connectors, outputs at 850/1300 or 1310/1550nM. Five hour NiCad battery pack. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
310-310	TFS3031 AN Multi-Mode Mini OTDR	$15,670.00
310-311	TFS3031 AX Multi- and Single-Mode Mini OTDR	21,915.00

Fiber Optic Power Meter & Optical Sources

➥ An inexpensive alternative ➥ Small and lightweight

Turns your DMM into an optical loss tester at a fraction of the cost. No need to buy a whole new set of expensive fiber test meters. Helps to detect bad connections, bad splices, and mismatched fiber types. Easy-to-use; simply plug the **Fiber Optic Power Meter** into your DMM, set the range to millivolts, connect an **Optic Source** for multi-mode or **Laser Source** for single-mode to the other end of the fiber, and read the results to verify the performance. FOM & FOS; 9V battery included. 4.5 x 2.5 x 1.5", 5 oz.

Single Mode Laser Source

The **LS-1310/1550** dual laser source provides an accurate measurement of single-mode fiber link loss at both wavelengths and extends the capability of the Fluke DSP Series Cable Testers, OneTouch and DMMs. Its lightweight and heavy-duty design make it very rugged for field use. **Kit** includes Laser Source, two ST-ST single-mode patch cords, ST-ST single-mode fiber optic adapter and hard carrying case. 9V battery included. 6.8 x 3 x 1.5", 9.4 oz. (USA)

Cat. No.	Mfr. No./Description	Each
317-052	Fiber Optic Meter, ST Connector	$299.00
317-055	Fiber Optic Source, 850/1300nm, ST	499.00
317-053	Fiber Optic Source, 850nm, ST	199.00
317-011	LS-1310/1550 Single-Mode Laser Source Kit	2995.00
317-013	ST/ST Single-Mode Patch Cable	65.00
317-014	ST/SC Single-Mode Patch Cable	65.00
317-015	ST/FC Single-Mode Patch Cable	65.00
317-016	ST/ST Fiber Optic Adapter	25.00

For replacement batteries, see page 282

MICROTEST
the future of network testing

CertiFiber Fiber Certification Tool

➥ Multi-mode fiber certification in seconds
➥ Cuts test time by 75% over manual power meters



Testing your multi-mode fiber cable has never been faster or easier. Select a standard such as TIA 568A or IS 11801, input the number of splices and connectors, and press the Autotest. Automatically runs the length, propagation delay, and dual fiber loss measurements for both 850nm and 1300nm, and provides a Pass/Fail analysis based on the fiber standards along with the amount of headroom available over and above the Pass/Fail margin. Up to 1,000 time and date stamped autotests can be stored and then downloaded to a PC with the included ScanLink software. **Kit** includes CertiFiber Tester and CertiFiber Remote (both with three AA alkaline batteries), ScanLink Diskette to download stored Autotests, PC serial interface cable and a soft carrying case. 3.2 x 7.2 x 1.6", 14.9 oz. (Remote is same size, 13.4 oz.) One year warranty. (USA)

Cat. No.	Description	Each
559-060	CertiFiber Fiber Certification Tool	$3295.00

For replacement batteries, see page 282

FLUKE networks



317-052



317-011



317-055

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Fax Lines: 800-366-9662 • 602-438-1690

Wilcom

Optical Fiber Identifier

- Handheld & lightweight
- Non-destructive macro-bending technology
- Operates from 800nm to 1700nm



A rugged and easy-to-use installation and maintenance instrument that identifies optical fibers by detecting signals being transmitted through a singlemode fiber. By using utilizing local detection technology it eliminates the need to open the fiber at the splice point for identification, eliminating the probability of interrupting service.

Signals detected include continuous wave, live optical transmission, and low frequency modulated tones at 270, 1000, and 2000 Hz. When traffic is present on the fiber, the direction of transmission is indicated by LED's illuminating on the probe, and when modulated tones are present the unit will detect and illuminate the corresponding LED's. The relative core power in the fiber is measured and displayed on a two-digit, seven segment LED display, allowing for the measurement of power loss through a splice or connector. Includes Fiber Optic Probe, leather carrying case and three interchangeable adapter heads for jacketed, coated or ribbon fiber.

Cat. No.	Description	Each
265-002	Optical Fiber Identifier	$1795.00

Wilcom

Optical Fault Locator

- Measure up to seven events
- Singlemode & Multimode
- Single key operation



The FR2 Fiber Ranger Optical Fault Locator is a rugged, lightweight, hand-held optical fault locator for multimode and single mode applications. It uses OTDR (Optical Time Domain Reflectometer) technology to pinpoint faults in optical cable that can be over 20 kilometers away. It operates at the industry standard wavelength of 1310nm and can display the distance to the fault in meters or feet.

Useful applications for the FR2 include testing WAN's, telecommunication spans, Fiber-to-the-Curb, installation and maintenance of multimode and singlemode fiber cabling, and Military systems. It's also ideal for locating tight bends, crimps, faulty connectors, bad splices or breaks in fiber cables.

Includes an easy to read LCD display and a single measure push-button for activating the unit's measure operation. The Index of Refraction (IOR) is user selectable and the FR2 has the ability to detect up to seven multiple events.

Cat. No.	Description	Each
265-001	Optical Fault Locator	$2495.00



MICROTEST®
the future of network testing

SimpliFiber Power Meter and Optical Sources

- Single and Multimode available

SimpliFiber is a power meter and optical source for measuring the loss of multimode fiber optic cables and components. The kit includes a dual wavelength 850/1300nm source and an 850/1300/1310/1550nm meter. It incorporates the latest fiber technology with data storage and a PC-ready interface to boost user productivity.

SimpliFiber is a rugged, field-deployable, hand-held tool with an optical source that is stable and repeatable for consistently accurate results. Auto-wavelength detection and data recording minimize testing errors. In addition to the intuitive four-button keypad and large LCD display, measurement results can be easily uploaded from memory to the PC using ScanLink software. Results can be reviewed, reports created, and data files saved or exported.

Kit includes: SimpliFiber meter, SimpliFiber light source, ScanLink software and serial cable, 4 AA batteries, optic cleaning pads, carry case and user guide. 6.25 x 3.5 x 1.25".

Cat. No.	Description	Each
559-015	SimpliFiber Meter & 850/1300 Source (ST)	$1295.00
559-016	SimpliFiber 1310 Laser Source (ST)	995.00
559-019	SimpliFiber 1550 Laser Source (ST)	1495.00
559-017	SimpliFiber Meter & 850/1300 Source (SC)	1395.00
559-018	SimpliFiber 1310 Laser Source (SC)	995.00
559-020	SimpliFiber 1550 Laser Source (SC)	1495.00

For replacement batteries, see page 282

GREENLEE

ReelCleaner™ Connector Cleaning System



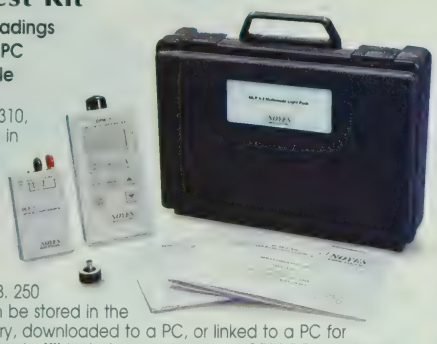
ReelCleaner is a completely self-contained system for cleaning connector ferrules. A special lint-free fabric-on-a-reel quickly cleans ferrule endfaces of dust, oil and other contaminants without the need for alcohol. One cleaning reel can be used for over 400 ferrule cleanings.

Cat. No.	Description	Each
64-012	ReelCleaner Connector Cleaning System	$195.00
64-013	ReelCleaner Replacement Reel	85.00

High-Performance Optical Test Kit

NOYES FIBER SYSTEMS

- Stores 250 readings
- Connects to PC
- NIST traceable



OPM-5 Power Meter offers 850, 1310, 1550 nM detection in single-mode and multi-mode. Measures power levels from +6 to -60 dBm with an accuracy of ±0.25dB and a resolution of 0.01dB. 250 measurements can be stored in the non-volatile memory, downloaded to a PC, or linked to a PC for realtime measurements. **Kit** includes carrying case, OPM-5 Power Meter, DOS software and cable, OLS 1-2 ST light source with 850 and 1300nM outputs, an ST adapter, and a 9V battery. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
76-161	MLP5-2ST High-Performance Optical Test Kit	$1695.00

For replacement batteries, see page 282

GSA Contract No.: GS-24F-9019H

DARKSTAR TECHNOLOGIES

Fiber Cable Checkers



Quickly checks integrity of fiber optic cables. Source output is 800nM light at -20dBm and the receiver displays received power on LED bar graph, showing relative power. Available in All-In-One unit with the source and receiver built into one box, or individual testing end-to-end. 9V battery included. (USA)

Cat. No.	Description	Each
567-410	All-In-One ST Fiber Cable Checker	$295.00
567-420	ST Source only	195.00
567-430	ST Receiver only	195.00
567-440	All-In-One SC Fiber Cable Checker	295.00

For replacement batteries, see page 282



850nM Optical Power Test Kit

- Low cost LANLITE fiber testers
- Rugged aluminum construction
- 0.1dB resolution
- Small size

Perform power loss tests at a fraction of the cost of other meters. The LANLITE series offers full optical power testing in single and dual wavelengths. The sources output stabilized light at -20dBm and the meters measure received power from 0.0 to -55dBm (-50dBm on dual wavelength). These extremely rugged products are constructed from aluminum. Includes 9V batteries and waterproof Pelican case. One year warranty. (USA)

Cat. No.	Description	Each
49-001	850nM Optical Power Test Kit	$475.00
49-002	850/1300 Optical Power Test Kit	875.00

For replacement batteries, see page 282

WAVETEK



Fiber Optic Visual Fault Locator

- Finds breaks fast
- Checks continuity

Uses a high power laser to inject visible light into any ST terminated fiber cable. If there is a break in the fiber the light will spill out and be visible, even through the jacket. If you can see the light at the far end you know the cable has no breaks. Works on cables up to three miles long. Housed in a rugged aluminum case. Comes with carrying case, lanyard, lens cap, two AA batteries and manual.

Cat. No.	Mfr. No./Description	Each
624-612	VFF5 Fiber Visual Fault Locator	$395.00

For replacement batteries, see page 282



Fiber Loss Test Kits

Each kit consists of a power meter with ±0.25dB accuracy, light source with -20dBm output, and case. **Power Meters** can accommodate various connector adapters. The **Light Source** must use fixed connectors. Powered by long-life 9V alkaline batteries included. One year warranty. (USA)

Cat. No.	Description	Each
76-012	Fiber Loss Test Kit, 850 & 1300nm LED, ST	$995.00
76-001	Power Meter, 850, 1300, 1550nm (requires Adapter below)	449.00
76-002	Light Source, 850, 1300nm, Multimode, ST	695.00
76-111	Light Source, 850nm, Multimode, ST	349.00
76-101	SC Adapter for Power Meters	95.00
76-104	Bare Fiber Adapter for Power Meters	95.00
76-100	FC Adapter for Power Meters	50.00
76-105	ST Adapter for Power Meters	50.00

For replacement batteries, see page 282
ST versions are in stock, others are available special order

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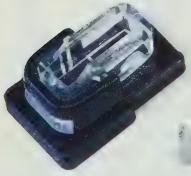
True View Fiber Scope

➥ Up to 400X effective

Pocket-sized battery powered fiber inspection scope provides outstanding image quality and great value. Scope comes with a 100X straight view adapter. This gives you direct reflection image of the end face for viewing gross blemishes during polishing or inspecting. The optional angled adapter tilts the end face 22°. This sends light into the fiber and cladding, backlighting subtler blemishes offering a more thorough examination without the hassles of high magnifications. There's also an 8X loupe for gross inspection. Accepts any 2.5mm ferrule connector. Use the Pocket Source for a quick check of fiber continuity. AA batteries included in both.

Cat. No.	Description	Each
422-001	TrueView Fiber Scope	$86.00
422-002	Angle Adapter	38.50
422-003	SMA Threaded Adapter	30.00
422-004	Bare Fiber Adapter	30.00
422-005	Pocket Source Continuity Checker	33.50
422-006	Leather Case	25.00

For replacement batteries, see page 282



116-014



116-015



116-016



116-017



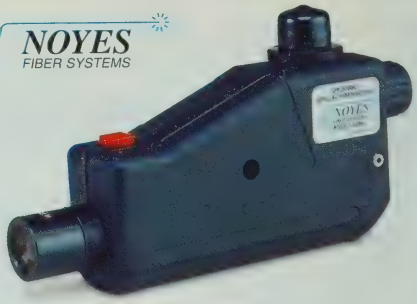
116-018

Adapters for True View Fiber Scope

116-014 Bare Fiber Adapter enables the technicians that are completing mechanical splices to pre-view their cleave before making up the splice junction. Viewing fiber from the side at 100X ensures the fiber end face quality. **116-015** Small Form Factor MT-RJ-45 footprint viewer is capable of viewing both fibers at 100X without removing the connector from the scope. **116-016** Small Form Factor LC scope adapter is designed to view fiber in single or double captivated housings at 100X. **116-017** Small Form Factor VF45 adapter can view the Volition VF45, SG series connectors on the puck at 100X and the **116-018** Small Form Factor VF45 plug view adapter will view the Volition VF-45, SG series on the plug at 100X for fiber end face contamination.

Cat. No.	Description	Each
116-014	Bare Fiber Scope Adapter	$30.00
116-015	Small Form Factor MT-RJ Scope Adapter	87.00
116-016	Small Form Factor LC Scope Adapter	87.00
116-017	Small Form Factor VF45 Puck View Adapter	58.00
116-018	Small Form Factor VF45 Plug View Adapter	58.00

NOYES
FIBER SYSTEMS



Optical Fiber Scopes

➥ 200 and 400X ➥ Easy-to-use

Offers quick set-up and easy operation. Simply thread on the proper connector mount and turn on the scope. The **200X Fiber Scope** uses same connector mounts as power meters on page 163. The **400X Fiber Scope** has its own mounts, plus a convenient X-Y axis adjustment which allows quick centering of the polished surface. Each scope has a laser light filter for safety. Operates on two AA batteries included or with the optional AC adapter. The **Tripod** is a convenient option and we highly recommend the **Hard Carrying Case. Adapter Caps** required for operation. (USA)

Cat. No.	Description	Each
76-150	200X Optical Fiber Scope	$499.00
76-151	400X Optical Fiber Scope with X-Y Adjustment	850.00
76-152	Replacement Bulb, High Intensity, for either Scope	30.00
76-153	AC Adapter for either Scope	45.00
76-154	Hard Carrying Case for either Scope	85.00
76-155	Tripod Stand for either Scope	80.00
76-156	FC Adapter Cap for 400X Scope	50.00
76-157	SMA Adapter Cap for 400X Scope	50.00
76-158	SC Adapter Cap for 400X Scope	95.00
76-159	ST Adapter Cap for 400X Scope	95.00
76-100	FC Adapter Cap for 200X Scope	50.00
76-102	SMA Adapter Cap for 200X Scope	50.00
76-101	SC Adapter Cap for 200X Scope	95.00
76-105	ST Adapter Cap for 200X Scope	50.00
76-103	FDDI Adapter Cap for 200X Scope	95.00

For replacement batteries, see page 282

FISKARS®

Our Best Fiber Optic Shears

➥ Micro serrations
➥ Graduations for quick measurements

Designed to hold up to the abuse of cutting extremely hard Kevlar strength members found in fiber optic cables. Most shears not designed to this purpose last a short time, providing poor service soon after purchase. Micro serrated and high strength cutting edges provide many times the service life of other cutters, without high cost. High visibility, bright orange handles are spring loaded with rubber inserts for control and comfort.

Cat. No.	Description	Each
51-924	Fiber Optic Shears	$25.00



SVI 2000 200X Fiber Inspection Scope



➥ **The best fiber inspection scope made**

The SVI 2000 from TrueView has many features which distinguish it from other inspection scopes. While others are made with plastic bodies the SVI 2000 is constructed from precision machined aluminum. This makes it almost indestructible yet lighter weight than comparable plastic instruments. The SVI 2000 utilizes direct viewing, not the image quality robbing prisms and beam splitters. There are no image centering devices, simply insert any ST, SC or FC connector and focus. The connector can be rocked to 22 giving a clear, ultra-fine surface polish view. The SVI 2000 has no wires or switches to fail. Turn the knurled knob and the pre-focused krypton light stays on. Powered by two AA batteries included. 11/4 x 2 x 7", 24 oz. (USA)

Cat. No.	Mfr. No./Description	Each
422-200	SVI 2000 200X Fiber Inspection Scope	$500.00
422-201	Tripod	200.00
422-202	Carry Case	80.00

For replacement batteries, see page 282

Polishing Fixtures



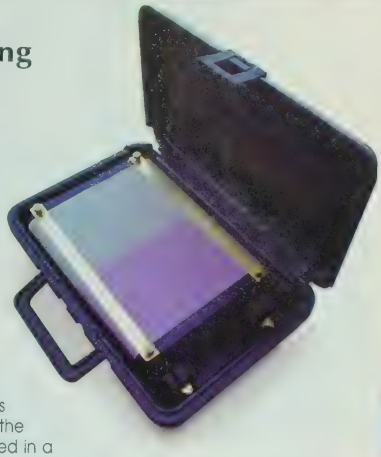
➥ **Singlemode & Multimode applications**

➥ **Wet or dry polishing**

Introducing two New Generation polishing disks. These extremely affordable fiber polishing jigs exhibit less wear than many other polishing disks on the market, yet are priced less than most. **116-005** has a long lasting vapor deposited Diamond coating and **116-006** is Titanium coated and will not leave metallic contamination behind. Both are universal for ST/SC/FC applications and have a large diameter lightweight aluminum base for a comfortable feel. They withstand the abuse of aluminum oxide, silica based and diamond lapping films with no appreciable reduction in working surface.

Cat. No.	Description	Each
116-005	Diamond Coated Polishing Fixture	$70.00
116-006	Titanium Coated Polishing Fixture	42.00

Film Caddy Field Polishing System

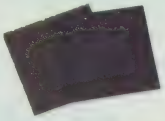


➥ **Designed for the field technician**

The Film Caddy supplies a continuous clean stream of fiber optic one-step or two-step rolled lapping film in a handy close-and-go case. Fast set-up with fresh film a dial away. When finished with the job, the technician simply closes the self-sealing lid and the film is conveniently stored in a contamination-free environment. The new drop-in carriage design enables quick change from the used film to a fresh spool capable of delivering up to 500 precision polishes. Film dispenser spools come in a standard 20 foot length. Case is made of tough ABS plastic with a fold down handle and locking lid. Kit includes one 20' 2-step roll of film.

Cat. No.	Description	Each
116-011	Film Caddy Field Polishing System	$175.00
116-012	20' 2-Step Replacement Roll/1 and 5 micron	$70.00
116-019	20' 1-Step Replacement Roll/3 micron	$70.00

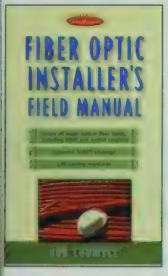
Polishing Plate and Film





116-007 is a non-skid fiber optic smoked and hardened acrylic polishing plate and curl free pad. It is ultra smooth and long lasting, and acrylic polishing plates are shatterproof and make it easy to spot clear fiber. **116-008** is two step, 3 and 0.3 micron polishing film and **116-009** is two step, 1 and 5 micron polishing film. Both allow user to do a rough and a finish polish while using the same film. They come in a package of 25 sheets. **116-010** is the Royal Finish, less than 1 micron finish polishing film. This is an ultra fine finish suited for GigaBit applications that demand a scratch-free finish. Comes in package of 25 sheets.

Cat. No.	Description	Each
116-007	Polishing Plate & Curl Free Pad	$20.00
116-008	2-Step 3 & 0.3 micron polishing film 25/pk.	19.50
116-009	2-Step 5 & 1 micron polishing film 25/pk.	19.50
116-010	Royal finish <1 micron polishing film 25/pk.	19.50

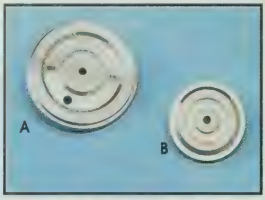


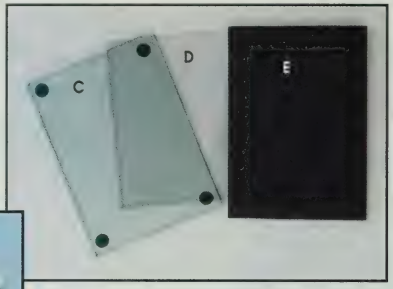
Fiber Optic Installer's Field Manual

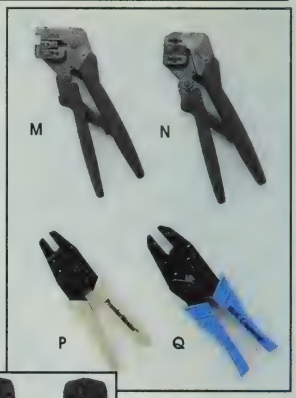
The deployment of fiber optic cable as part of the growth of broadband data services is growing exponentially around the world. This book is a compendium of the diagrams and procedures needed to install fiber optic cable indoors and outdoors, with complete guidelines on testing, troubleshooting and maintenance. Perfect for technicians, electricians, engineers, and cable installers. Covers all major optical fiber types, including Wave Division Multiplexing (WDM) and optical couplers, as well as SONET and LAN cabling standards. 400 pages.

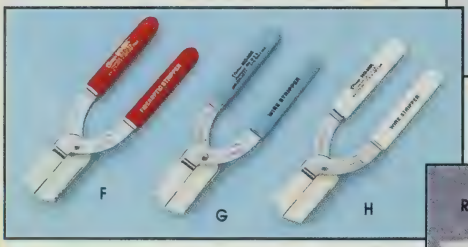
Cat. No.	Description	Each
960-050	Fiber Optic Installer's Field Manual	$49.95

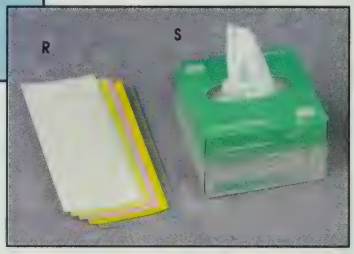
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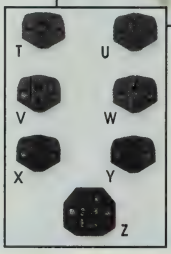














High Quality Fiber Optic Tools

Cut, strip, crimp, polish and inspect fiber optic terminations

Cat. No.	Key	Description	Each
Polishing Pucks and Plates			
80-734	A	ST Polishing Bushing	$69.00
80-730	B	FC/PC Polishing Puck	63.00
1-779	C	Glass Plate	10.00
634-250	D	Plexiglass Plate	11.00
634-375	E	Foam Plate	8.00
Strippers from Clauss			
4-033	F	No-Nix Stripper, 125-150µ	$41.00
4-301	G	No-Nix Stripper, 159-200µ	40.00
4-303	H	No-Nix Stripper, 200-250µ	40.00
Scribers			
262-905	J	Carbide Scribe Clamshell	$65.00
262-600	K	Sapphire Scribe 60°	50.00

Cat. No.	Key	Description	Each
Crimp Tools			
80-011	M	Crimper for AMP Epoxyless XTC Connectors	$199.00
80-014	N	Crimper for other AMP Connectors, AMP	105.00
600-180	P	Crimper Frame only, Ideal	62.00
600-200	Q	Crimper Frame only, Ideal	39.95
600-185	T	AT&T Connector Die Set	37.00
600-153	U	Ofti Die Set .128, .151, .172"	37.00
600-190	V	Amphenol Die Set .178, .213"	37.00
600-195	W	Amphenol Die Set .151, .218"	39.95
600-151	X	3M Die Set .153"	37.00
600-152	Y	Hex Crimp Die Set .151, .178, .213"	37.00
600-210	Z	Die Set for AMP Connectors	19.95
Film Sleeves			
712-538	R	Polishing Film, .3 Micron, 50/pk.	$39.00
712-501	R	Polishing Film, 1 Micron, 50/pk.	39.00
712-503	R	Polishing Film, 3 Micron, 50/pk.	39.00
712-512	R	Polishing Film, 12 Micron, 50/pk.	39.00
712-515	R	Polishing Film, 15 Micron, 50/pk.	39.00
95-255	S	Cleaning Tissues	3.75

Fiber Optic Workstation

➥ **Built-in drawer holds tools**

Hard top surface designed to allow technicians to terminate fiber connectors, while the drawer holds your most commonly used tools. Drawer is filled with pre-scored foam so you can customize the layout for your tools. The frame is constructed of aluminum for strength and the rear has two sliding ears which can be used to temporarily mount the workstation to any communications rack while completing terminations in closets and equipment rooms.

Cat. No.	Description	Each
116-001	Fiber Optic Workstation	$225.00







JTS-45 Test Set

Lightweight and easy to use, the JTS-45 offers true hands-free operation with its headset/boom mic. The JTS-45 comes with heavy-duty alligator clips, a cordset with angled bed of nails is optional.

Last number redial, continuous polarity detection, amplified monitor earpiece, audible ringer, muting, Tone/Pulse dialing, low battery indicator and a battery powered monitor mode with auto power-off. Five number memory (23 digits). Displays on-hook voltage, off-hook current, number dialed, stored numbers, set-up info, Caller ID, Caller ID faults, and Call Waiting info.

The JTS-45 also has DataAlert mode which indicates a dead pair, data line or in-use POTS line.

Caller ID tests make it unique. Number and name info is displayed when available. The JTS-45 receives any message type and length formatted per Bellcore GR-30-CORE and verifies the checksum. The following messages other than name, number, "out or area" and "number blocked" are displayed:

"**Single Msg Type**" - A single message format Caller ID was received correctly of an unsupported type number.

"**Multi Msg Type**" - A multiple message format Caller ID was received correctly, which only contained unsupported type sections.

"**Chksum=xx, Rx=yy**" - There is a checksum error. The checksum xx was at the end of the message the checksum yy was calculated from the received data.

"**Lost Carrier**" - The Caller ID carrier was detected, but lost prior to the end of the transmission.

Caller ID in Call Waiting (CIDCW) displays the same info and errors. When the JTS-45 detects the CAS tone it mutes the audio, sends an acknowledgement tone and receives the data before enabling the audio circuits.

Cat. No.	Description	Each
JTS-45	Test Set w/Caller ID Testing	$189.00
23-605	Soft Carry Case	15.00
414-002	Cordset w/ABN	26.00



JTS-30
- Weather resistant
- Datasafe monitor

JTS-19
- Economy price
- Datasafe monitor

JTS-22
- Amplified speaker
- 9 number memory

Jensen Telephone Test Sets

Designed to meet the needs of inside and outside plant operations these test sets offer the features and construction for continuous use in even the most demanding environments. We offer a complete line to meet your budget. The JTS-19 is a basic inside plant test set. It offers LNR, polarity testing and has a data safe monitor. The JTS-30 is a weatherized and drop tested test-set which offers LNR, polarity testing, mute, audible ringer and data safe monitor. The JTS-22 has LNR, polarity, weather resistance, mute switch, audible ringer, amplified speaker, nine number memory and PBX pause. It is also drop tested. Each test set comes with heavy-duty alligator clips, metal belt clip, and is designed to be comfortably held to the ear with your shoulder, freeing your hands for work. One year warranty.

Cat. No.	Description	Each
JTS-22	JTS-22 Full Featured Test Set	$250.00
JTS-30	JTS-30 Test Set	150.00
JTS-19	JTS-19 Test Set	115.00

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TS17™
Economy Test Set
- Perfect for the occasional telecom technician
- Lightweight and compact design

TS19™
- Economically priced, full featured
- Great for the "in house" technician
- Optional quick change cordsets

TS30™
- Rainsafe™ and Dropsafe™
- High impedance monitor



TS22®
- Professionally featured test sets
- Loudspeaker listening speeds work flow

TS22®L
- Data lockout

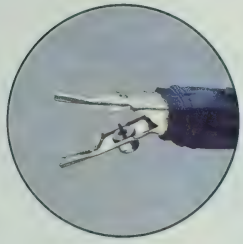
TS22®A
- Harris' best
- The professional's choice
- 2-way hands-free operation

TS22®AL
- Data lockout
- 2-way hands-free operation

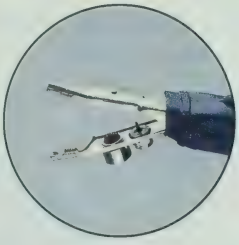
Features & Prices for Harris Test Sets

Cat. No.	Mfr. No.	Cord set	Last # re-dial	Polarity test	RainSafe™	DropSafe™	Mute	Audible ringer	Datasafe monitor	Amplified speaker	9 number memory	PBX pause	Hands-free speaker phone	Data lockout	Each
237-017	TS17™	alligators		✓*			✓								$86.50
237-117	TS17 Deluxe	alligators	✓	✓*			✓	✓	✓						97.50
237-035	TS19™	ABN	✓	✓					✓						137.00
237-030	TS30™	ABN	✓	✓	✓	✓	✓	✓	✓						202.50
237-668	TS22®	STD	✓	✓	✓	✓	✓	✓		✓	✓	✓			273.00
237-009	TS22®	ABN	✓	✓	✓	✓	✓	✓		✓	✓	✓			260.00
237-550	TS22®L	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	410.00
237-551	TS22®L	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	410.00
237-561	TS22®A	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		355.50
237-229	TS22®A	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		355.50
237-570	TS22®AL	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	498.00
237-571	TS22®AL	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	498.00

*also indicate shorts, opens and excessive crosstalk



Standard (STD)



Angled Bed-of-Nails (ABN)

Cord Set Selection for Harris Test Sets

Each Harris Test Set comes with a factory installed cord set. Standard penetrator (STD) or angled bed-of-nails (ABN) clips are installed on the TS22® series. **Optional Central Office Cord Set** may be purchased and user-installed. It replaces STD or ABN cord sets of TS22®s, allowing a variety of interchangeable cord sets. Ground start cord sets for the TS22®s must be purchased separately and installed by the user. The TS19® comes with ABN cord set. The TS17™ comes with alligators. Both have a modular jack which allows it to accept several interchangeable cord sets.

Optional CO Cords for TS22® Series

Cat. No.	Description	Each
237-232	Optional Central Office Cord Set (not shown)	$34.00
966-298	Standard Penetrator Clips attaches to CO Cord Set	62.00
966-297	Angled Bed-of-Nails Clips attaches to CO Cord Set	70.00
966-296	Modular Plug (6-Pin) attaches to CO Cord Set	49.00
966-238	310 Plug attaches to CO Cord Set	65.00



966-298 966-297 966-296 966-238

Optional Ground Start Cord Sets for TS22® Series

Cat. No.	Description	Each
237-562	Ground Start Cord Set for TS22® (not shown)	$46.75



237-028 237-029 966-407 237-027 237-021

Cord Sets for TS19™ and TS17™

Cat. No.	Description	Each
237-028	Banana Plugs	$38.00
237-029	Angled Bed-of-Nails Clips*	38.00
966-407	Modular Plug (6-Pin)	6.50
237-027	Angled Bed-of-Nails Clips w/Ground Start Clips	47.50
237-021	Standard Penetrator Clips	28.25

*Included w/TS19™

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HARRIS

ISDN Test Set

➥ RainSafe™ and DropSafe™

Basic rate ISDN test set is for prequalification, installation and maintenance. It has common sense menus and built-in plain English help functions for ease-of-use. Conventional line technicians can handle any ISDN aspect. It tests the two-wire U interface, and permits inspection of the four-wire S/T interface inside customer premise.

Features single and dual B channel BERT, auto call yourself BERT, FEBE and NEBE testing, embedded operations channel, 64K and 56K data and voice calls, amplified speaker, mute switch, 40kHz tone U interface and 96kHz tone S/T interface.

Three modes enable easy analysis from the CO to all points downstream. NT1-TE mode provides Terminal Equipment emulation at the U interface for prequalifying and fault isolation. TE mode tests the S/T interface between customer's network terminator and terminal equipment. LT mode provides dry-loop prequalifying for ISDN prior to CO availability. Operates on included NiCads which can be replaced with AA alkalines.

Cat. No.	Mfr. No./Description	Each
237-250	TS250 ISDN Test Set	$2250.00

For replacement batteries, see page 127



Agilent Technologies

Aurora^{Plus} Basic Rate ISDN Test Set

➥ New and improved ➥ Includes POTS testing ➥ Loudspeaker monitor

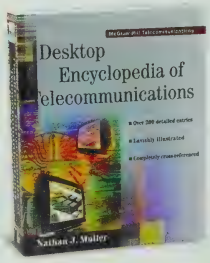
The new Trend Aurora^{Plus} is an easy-to-use Basic Rate ISDN test set for office or field technicians. It offers rapid and reliable fault isolation through the use of menus and explanations shown on its 12 character, 4 line backlit LCD screen.

It can test most ISDN call and connection types at the U-interface and on the S-Bus; either point-to-point or point-to-multipoint. The Aurora^{Plus} uses the national ISDN protocol as well as AT&T and Nortel custom switch protocols. It displays dialed number, calling party number, cause codes (with explanations), control and status information. It can make dual, simultaneous B-Channel calls and perform a D-Channel packet test.

With a built-in bit error rate test the Aurora^{Plus} can originate a call on one B-Channel and receive the call on the other. Line polarity, cross-talk and analog loops are tested and identified. Line voltage is displayed to identifyinterface. The Aurora^{Plus} is available with POTS testing for analog lines, no need to carry an old-style test set. RS-232 port for software upgrades.

Cat. No.	Mfr. No./Description	Each
315-100	429-U Aurora^{Plus} Basic Rate ISDN Test Set	$1395.00
315-200	429-UA Aurora^{Plus} Basic Rate ISDN Test Set w/POTS	1595.00

Desktop Encyclopedia of Telecommunications



Telecommunications technology and terminology continue to evolve at a rapid pace. In a single, alphabetically organized volume, this book clearly explains voice and data applications, LANs, WANs and satellite networks; the Internet and intranets; new technologies and acronyms; fiber and wireless; cellular and cable; components and concepts; and much more. Also included are discussions of key regulations and standards, and the various organizations that have contributed to the industries' growth. 602 pages.

Cat. No.	Description	Each
960-025	Desktop Encyclopedia of Telecommunications	$49.95

Understanding Telephone Electronics



This book explores speech signal processing, telephone line interfacing, tone and pulse generation, and ringers. The concepts and principles are accompanied by a thorough look at the world of digital communications. It gives advantages and disadvantages of digital transmission, sampling, coding, and the various formats of multiplexed systems. The Central Office and all the various transmission modes are also included. 367 pages.

Cat. No.	Description	Each
128-006	Understanding Telephone Electronics	$24.95



HARRIS

TS1000™ ADSL Test Set

➥ Alcatel DMT compatible ➥ Battery powered
➥ Quick & easy service verification ➥ Durable

Harris, the industry leader in POTS and ISDN testing technology, now offers the TS1000 handheld unit for ADSL testing, verification and troubleshooting. The TS1000 gives the line test technician a greater range of analysis capability for field installations, and is ideal for the IT manager for reducing on-site repair expenses.

The TS1000 gives you the ability to easily synchronize with the service provider's CO DSLAM before or after the splitter, lets you isolate the failure cause between the customer's on-site equipment and the service provider, and allows you to validate service activation and compare the actual throughput against the subscribed rate. And for continuing bandwidth expansion, the TS1000 lets you measure for maximum line capacity. Advanced features allow you to monitor the noise margin, power level and attenuation simply by scrolling up of down the navigation buttons.

Features

Display Up and Downstream parameters
- Attainable bit rate
- Maximum bit rate
- Noise margin
- Relative capacity
- Output power
- Attenuation
- Channel bit rate

Firmware upgradable
Extra strong combi-cord with angle clips and RJ-11 plug

Designed to withstand unfavorable field conditions, the TS1000 features a backlit LCD display for low light conditions and is housed in a durable splash-proof casing. Lightweight and portable, the TS1000 test set combines ease-of-use with advanced ADSL testing technology. Measures 4 x 8.3 x 2".

Cat. No.	Mfr. No./Description	Each
237-100	TS1000 ADSL Test Set	$1750.00



HARRIS

TS®45S ADSLSafe™ Test Set

The fantastic rise in the number of xDSL installations projected for the next ten years necessitates the field technicians' usage of more up-to-date test sets. The TS45 is the next step in data lockout technology. The patent-pending ADSLSafe circuitry allows technicians to butt in on a live DSL line to test the POTS service without downing the data service. As a result, your technicians are not causing trouble tickets on these high profit lines but closing them and your customers' satisfaction soars.

Technicians will like the features built into this new test set; data lockout with warning for T1, E1, ISDN (PRI & BRI), HDSL, SW56, ADSL and SDSL, enhanced overcurrent protection, weatherproof case, DropSafe to 20', power sharing for longer battery life, side mount talk/monitor switch, top mount clip, high fidelity Speakerphone, 10 number memory, hook flash, PBX pause, hearing aid compatible speaker, volume control, ABN clips and polarity indicator

Cat. No.	Mfg. #/Description	Each
237-450	TS45S ADSLSafe Test Set w/ABN Clips	$548.00



HARRIS

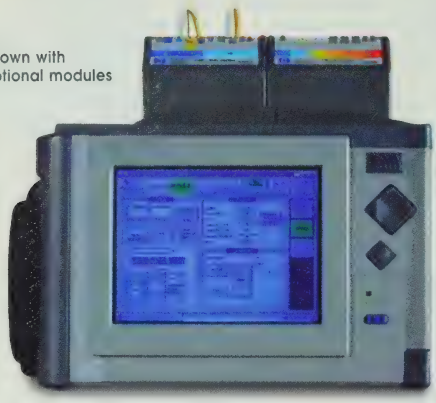
ADSL/POTS Splitter

The first handheld splitter in the field with bridging capability. You can troubleshoot the permanently installed POTS splitter at the NID without downing the ADSL service. With the Splitter you can draw dial tone from anywhere on the line without downing the ADSL service very important when servicing business subscribers.

Built to standards T1E1.4 and G.992.2 it is guaranteed to work with all ADSL services regardless of carrier or level of service. It isolates POTS device load impedance from the line to prevent attenuation and harmonic distortion of the ADSL signal. Prevents ingress of ADSL signal into POTS service. Convenient termination or connection via alligator clips, RJ14 or RJ45 jacks with clearly marked pins and connectors

Cat. No.	Mfg. PN/Description	Each
237-410	10410-100 ADSL Splitter	$85.00

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HP Service Advisor Portable Test Tablet

- Windows® CE operating system
- Touch sensitive 7.2" color VGA screen
- Interchangeable test modules

The Service Advisor Portable Test Tablet is a modular test platform for service providers and field service technicians responsible for installation and maintenance, verification, and qualification of telephony services. It has an advanced Windows CE operating system enabling technicians and engineers to quickly learn new test applications. The consistent graphical user interface expands across all of the Service Advisor's test applications providing an easy to use and versatile tool for installing and maintaining services at the Central Office and outside plant. The large touch sensitive color VGA display allows the user to operate the Service Advisor with the touch of a finger for most test applications.

It provides maximum test flexibility with interchangeable plug-in test modules enabling users to rapidly change applications. The Service Advisor instantly recognizes the application software residing in the plug-in modules. This modular architecture provides a cost-effective solution that will expand the Service Advisors capabilities to meet future technology and testing requirements. Accepts either 2 single width plug-in modules or 1 dual width plug-in module for testing DSL TIMS, TDR, ATM, SONET/SDH, and DS1/0.

Cat. No.	Description	Each
218-011	Service Advisor Portable Test Tablet	$3995.00
218-012	Additional NiMH Battery	195.00
218-013	External Battery Charger	395.00
218-014	12V Vehicle Power Adapter	129.00
218-015	Soft Carry Case	250.00
218-016	Hard Carry Case	595.00
218-017	Service Advisor Connectivity Kit	95.00
218-018	56K/V.90 Modem PC-Card	395.00
218-019	10BaseT Ethernet LAN PC-Card	295.00
218-020	10MB Compact Flash & PCMCIA Adapter	195.00
218-021	2 MHz North American TIMS Test Module	5995.00
218-022	Time Domain Reflectometer (TDR) Test Module	2995.00
218-023	ATM Cell Processor Test Module	4495.00
218-024	Dual DS1/0 Test Module	5995.00
218-025	SONET/SDH Interface Module	4295.00



VIKING© Phone Line Simulator

Provides a cost-effective, easy-to-use method of conducting preliminary checks on most telecommunication devices. Compatible with modems, FAX machines, answering machines, or feature phones. With two-way call capability, either line can call the other simply by going "off-hook". Ringback signal is provided to the caller, interrupted ring voltage is applied to the station called. A one-pair talk path and talk battery is provided to complete the simulation. 115 VAC. $3^1/_2$ x $4^1/_4$ x $3^1/_4$", 1 lb. One year warranty. (USA)

Cat. No.	Mfr. No/Description	Each
611-100	DLE200B DemoLine Telephone Line Simulator	$125.00



Low Fatigue Electrician's Snips

Finally an electrician's scissor which isn't painful to use. Unique large, padded ring adds leverage and spreads pressure. Fits the hand better for less fatigue. New ice-tempered stainless steel construction means no rust, peeling, discoloration, irritation. Serrated with strip notches. (USA)

Cat. No.	Mfr. No./Description	Each
458-150	150 Large Ring Electrician's Snips	$16.00



P Phone Adapters

Convert your standard analog test set into P phone compatible test set. Works on Centrex, Meridian business set, Electronic business set, M phone, E phone or P phone lines with an 8KHz digital circuit. Converts both signaling and speech.

Cat. No.	Description	Each
18-005	P Phone Adapter w/o Cordset	$174.00
18-006	P Phone Adapter w/Cordset	195.00

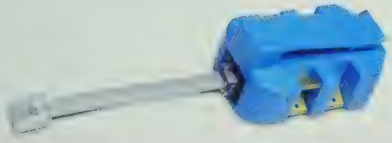


Tone Generator and Tracer

Our new TG-100 tone generator outputs a constant tone amplitude over the life of the battery; it doesn't get harder to hear and retains distant tracing qualities. The two types of tones can be set to normal and half amplitude easily with the switch on the front. It provides 6 volts into 600 Ohms with 9 volts of talk battery to power test sets on dead lines. Tone can be injected while talk battery is on allowing test sets with out monitor mode to pick up the tone. Continuity test built-in. Polarity of pair and an indication of AC present are also tested. Auto-off saves battery life.

The TT-100 tone tracer includes an adjustable volume control, low frequency filter to reject power line interference. You can replace the tip without opening the case. It has a low battery indicator. The TT-100 accepts an optional headset (included with our JTS-45, see page 21). Both come with 9V batteries and one year warranty.

Cat. No.	Description	Each
TG-100	Tone Generator w/Alligator Clips	$32.00
TG-101	Tone Generator w/ABN Clips	35.00
TT-100	Tone Tracer	49.00
414-005	Head Set for Tracer	15.00



6-Wire Modular Test Adapter

➥ Perfect for attaching toners & butt sets

Cat. No.	Description	Each
23-019	6-Wire Adapter	$19.00



Can Wrench

Common tool used for opening telecommunications pedestals and covers. Deep nutdrivers on each end; $^3/_8$" and $^7/_{16}$" by $1^1/_8$" deep. Color coded for quick identification. Purchase the optional security inserts to access tamper-proof fasteners. Lifetime warranty.

Cat. No.	Description	Each
23-018	Can Wrench	$10.00
237-166	Security Insert $^5/_{32}$" & $^5/_{16}$" Hex	11.00
237-106	Security Insert w/ $^1/_4$" Binding Post Cleaner	19.00



JTK-100 Tone/Probe Kit

A classic combination of our feature rich TT-100 probe and our TG-100 toner housed in a very rugged leather trimmed Cordura Plus belt holster with top flap. The case has gusseted seams and has a strengthened rib to stand up to constant wear from the probe tip as it is in use. (USA)

Cat. No.	Description	Each
JTK-100	Tone and Probe Kit w/Holster	$89.00
216-006	Case	12.00



Punch Tool

Cat. No.	Description	Key	Each
23-814	Impact Punch Tool	-	$39.00
23-066	66 Blade	A	16.00
23-110	110 Blade	B	18.00

Also accepts these industry-standard blades from Harris:

Specialty Blades

Cat. No.	Description	Key	Each
237-002	Extra Long 66, Loop	-	$39.50
237-005	110 & Krone	-	57.00
237-006	Extra Long 66 Cut	-	39.50
237-057	630A Modular Jacks	C	19.00
237-500	Bix	D	47.00
237-465	3M D System	E	63.50
237-565	Krone	F	44.00
237-058	GTE Modular System	G	39.00
237-436	Metal Center Punch	-	18.50
237-645	Wood Center Punch	-	15.50
237-777	Plastic Case for 8 Blades	-	10.00
1-665	Case w/66, 110, Wood & Metal Punch		79.00

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Carry cases described below.

Tone Generators

➥ **High power** ➥ **Four models available**

Tone generators apply audio tone through direct connection to wire pair. They provide six basic functions: tone (warble or steady) for pair identification, line continuity test, central office battery and polarity test, talk battery for dead line use, and line activity indication. The **565-105** can indicate approximate line resistance, showing insulation loss, splice failure or water intrusion. The **565-600** can approximate line resistance and capacitance, perform tests on lines 1 & 2, and uses two 9V batteries to boost talk battery for use with high impedance butt-in test sets. All units include user's manual. 9V batteries sold separately.

Features	77HP	77HP/6A	100B	600LS
Dual Audio Tone	✓	✓	✓	✓
Talk Battery (into 600Ω)	4.5V	6.5V	5.5V	10V
Polarity Checks	✓	✓	✓	✓
Modular Adapter	✓	✓	✓	✓
AC Volt Check	✓	✓		✓
Line Resistance Test		✓	✓	✓
Line Capacitance Test			✓	✓
Line 1, Line 2 Test				✓

Cat. No.	Mfr. No./Description	Each
565-777	77HP Tone Generator w/High dB Output	$32.00
565-076	77HP/6A Tone Generator w/Angled Bed-of-Nails Clips	36.76
565-105	100B Tone Generator	59.50
565-600	600LS Tone Generator High Output	80.00
473-005	9V Battery (one required for each, except 565-600 which reqs. two)	3.15

Inductive Line Tracers

➥ **Filter probe stops AC hum**

➥ **Variable volume available**

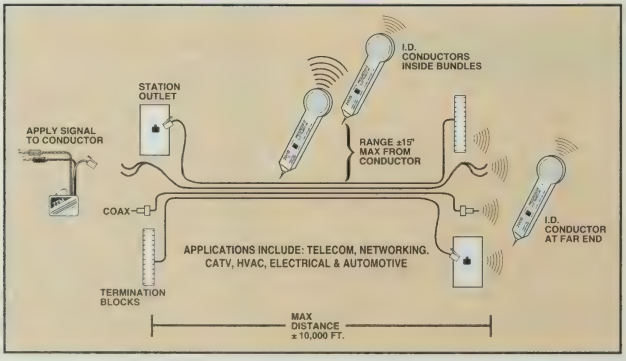
Used to inductively pick up the tone injected onto a wire pair for quick and easy identification. The **200FP** has special filter circuitry which selectively filters out the components of 60Hz AC power which may be induced onto wire pairs; all you hear is the generator signal. The **200EP** and the **200FP** have adjustable volume control and recessed ears for connection to butt-in test sets. 200EP includes spare duckbill and metal tip. All operate on one 9V battery, sold separately. (USA)

Cat. No.	Mfr. No./Description	Each
565-100	200FP Filter Probe w/Adjustable Volume	$114.50
565-225	200EP Probe w/Adjustable Volume	59.50
473-005	9V Battery (one required for each)	3.15

Carry Cases for Progressive Products

Cat. No.	Description	Each
565-700	Cordura® Holster for 77 and 200 Series*	$13.75
565-771	Belt Holster for 77HPs	7.00
565-110	Belt Holster for 100B	9.00
565-610	Belt Holster for 600LS	9.00
565-210	Belt Holster for 200 Series	9.00

*Included with 701K on page 31





AT8K Tone Generator/Tracer Kit

- Perfect for network technicians
- Injects tone on any pair

Cat. No.	Mfr. No./Description	Each
565-088	AT8K Tone Generator/ Tracer Kit	$134.00
473-005	9V Battery (two required)	3.15



801K Premium Tone and Probe Kit

- The ultimate in wire & cable identification
- For the demanding professional

Cat. No.	Mfr. No./Description	Each
565-801	801K Premium Tone and Probe Kit	$159.00
473-005	9V Battery (two required)	3.15



701K Classic Tone and Probe Kit

- The standard in wire & cable identification
- Applications in all industries

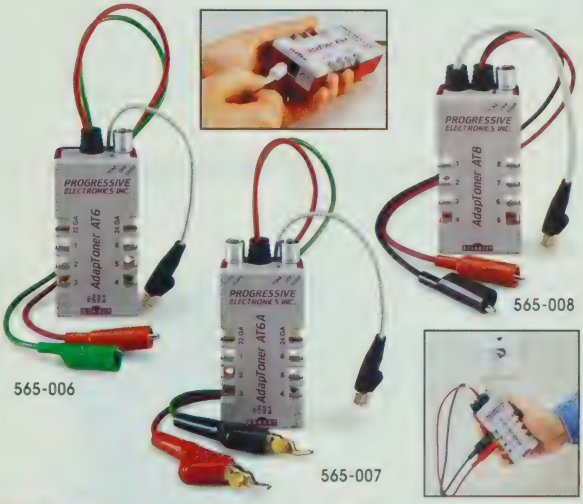
Cat. No.	Mfr. No./Description	Each
565-701	701K Classic Tone and Probe Kit	$99.50
473-005	9V Battery (two required)	3.15

AdapToners

- Speed service calls
- Perfect for network techs
- Combines two tools in one

These products combine the functions of a tone generator and a modular breakout adapter. They allow you to send tone on any pair in any configuration, along with testing polarity and continuity and providing talk battery. A modular jack allows for in-line testing. **565-006** lets you push tone through either the clips or the center tip/ring pair on the plug and has six way bed-of-nails clips. Both 6-contact models have 22 and 24 gauge wire strippers. All have selectable solid or warble tones and snagless plugs. Battery sold separately.

Cat. No.	Mfr. No./Description	Each
565-006	AT6 AdapToner 6-Position	$66.00
565-007	AT6A AdapToner 6-Position	79.00
565-008	AT8 AdapToner 8-Position	66.00
473-005	9V Battery (one required for each)	3.15



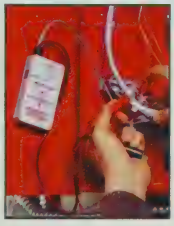
565-006

565-007

565-008

Model 620K Security/Alarm Kit

The 620 Loop Verifier is designed specifically for security/alarm techs. It operates as a continuity tester on N.O.and N.C. circuits, giving an audible tone when it detects an alarm condition. It latches a change for identifying "swingers" and operation of remote switches. It also injects tone into via clips or RJ-11 plug and has magnetic back plate for mounting to cabinet doors. Kit includes 620, 200EP probe and polyester belt holster. Batteries sold separately.



Cat. No.	Mfr. No./Description	Each
565-062	620K Security/Alarm Kit	$125.00
565-620	620 Loop Verifier only	56.00
473-005	9V Battery (one required for 620, two required for 620K)	3.15



565-062

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



MetroTel Corp.

Digit Grabbers

- DTMF/pulse signal decoding & display
- TPM-32/MF displays MFR1 signals
- VNA-70A subscriber loop analyzer

Units decode valid DTMF or pulse signals regardless of source or direction. LCD displays up to 32 alphanumeric digits, perfect for security or FAX autodialers. Units have bridged line monitor speaker built-in. Economic **796-732** provides basic function, **796-032** also translates Multifrequency MFR1 (Group B and D) signals used by COs, equal access carriers, and long distance resellers. **796-070** combines DTMF and pulse decoding (not MFR1) with a line analysis test set. Simultaneous display of dB level, signal frequency, loop voltage, current, and resistance. Autoranging true RMS measurements from -44dBm to 4dBm, 3VAC to 125VAC. Monitor can be switched: bridge, terminate, or 600Ω quiet termination. 1004Hz signal generator can be used for line tracing/ID. All units complete with 9V battery, test leads, instructions, and carrying case. 4 x 7.5 x 1.4", 32 oz. 90 day manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
796-732	TPM-32 Digit Grabber	$299.00
796-032	TPM-32/MF Grabber with MFR1	740.00
796-070	VNA-70A Grabber with Line Test	560.00

For replacement batteries, see page 127

LineMASTER Analyzer

Ziad INC.



- Full featured digit analyzing and audio level measurement
- Reduce installation, maintenance and service call times

Monitor outward and incoming dialing to verify proper programming and protocol of PBXs, autodialers, DID lines, tie trunks, voice mail systems and more. Digit display function captures DTMF dialed numbers, complete with ON/OFF times and dB levels for each digit. Unit also captures rotary dialed numbers including break percent, pulses-per-second and interdigit time for each digit. Enhanced audio (dB meter) measurement covers the -40 to +6 dBm range in .5dBm steps. The included 1004Hz 0dBm tone generator, 600Ω load switch and enhanced audio monitor add to the system's capabilities. High impact ABS case. Four AA batteries included. 7 x 3.9 x 1.4". One year warranty.

Cat. No.	Mfr. No./Description	Each
171-100	LineMASTER Analyzer	$399.00

For replacement batteries, see page 127
Call our 24 hour/7 day FaxBack service at 602-453-2671 for complete specs.



TRIPLETT CORPORATION

Model 4 and 5 Subscriber Loop Test Sets

- Circuit test, tone generator and volt-ohmmeter in one
- Preferred by telephone service technicians

Accurately measures circuit loss, circuit noise, power influence (noise to ground) and line current. Tone generator feature allows user to select from 15 fixed plus two user-defined frequencies. Both testers provide a full range of voltage and resistance measurement. Analog display on **56-355** provides a clear view of fluctuating readings. **56-360** presents data on accurate, easy to read 1/2", 3 digit LCD display. Complete with full cord sets, protective covers, batteries and spare fuses. Three year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
56-355	Model 4 Subscriber Loop Test Set	$565.00
56-360	Model 5 Subscriber Loop Test Set	615.00

For replacement batteries, see page 127
Call our 24 hour/7 day FaxBack service at 602-453-2671 for complete specs.



INTERNATIONAL DATA SCIENCES, INC.

GSA FSS Contractor

★GSA Contract No.: GS-24F-9019H

Analog Test Set

Using digital technology, Model 93 transmits pure sine wave tones from 250Hz to 4000Hz with 1Hz resolution and 0.01% accuracy. Levels are selectable from -26 to +6 dBm in 1 dBm steps. Five user-defined tones and levels can be stored in memory. Transmits a repeating 250-4000Hz sweep, 3 tone gain/slope test or quiet termination mode. Measures Rx signal from -70 to +12 dBm with 0.1 dBm resolution. Push-to-talk allows two-way communication on line under test.

Cat. No.	Mfr. No./Description	Each
822-093	Model 93 Analog Test Set	$995.00
822-094	Model 93 with Rechargeable Batteries	1145.00





PROGRESSIVE ELECTRONICS

Wire and Cable Locators

Find metallic wire, cable and conduit in walls, ceilings and underground. Transmitter injects high frequency signal and probe detects tone.

565-558 attaches to wire via alligators or direct AC plug (safe for live 115VAC lines.) Detects signal up to three feet deep out to 1000'.

565-501 uses higher power and attaches directly, inductively with clamp or through antenna in case. Works up to 7' depths up to 4000'.

Cat. No.	Mfr. No./Description	Each
565-558	508S Mini-Tracker System	$287.50
565-501	501 Underground Cable Locator System	687.00

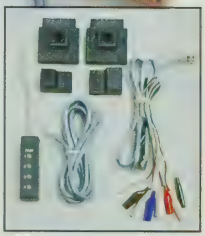
For replacement batteries, see page 127

Independent Technologies Test-All IV



- Four pair testing
- Switch selectable pair and test function
- Line voltage, pair continuity, audio tone injections
- Adapters for 66, 110, and Bix included

Reliable functions for multi-wire system testing. Each pair (USOC configured) has tri-color LED indication for AC/DC line voltage and continuity. Separate pairs can be injected with warble tone for ID tracing. Included remote shorting adapter aids in one man testing of continuity, miswires and reversals. Contains adapters for direct block connection, RJ-45 test jumpers (one each long, short, and with alligator clips), 9V battery, carrying case and operation manual. One year manufacturer's warranty.



Cat. No.	Description	Each
43-900	Test-All IV Cable Tester	$255.00

For replacement batteries, see page 127



INTERNATIONAL DATA SCIENCES, INC.

GSA

★GSA Contract No.: GS-24F-9019H

Model 91 Analog Test Set

- Remote loopback capacity

Applications: channel loss measurement of any 2 or 4 wire voice-grade telephone line; measuring modem transmit levels; bridging in high Z mode; and conformity testing of telephone line. Transmitter section generates five tones of 404, 1004, 2713, 2804, and 3804Hz. The 1004Hz tone is the Bell Telephone recommended frequency for measuring channel losses. The 2713Hz allows user to activate Bell Telephone remote loopback equipment. Receiver measures and monitors audio signal levels; 4 digit LCD display provides direct reading of the received signal in dBm between 00.0 to -50.0dBm with ±.5dBm accuracy. Internal amplifier and speaker allow audible monitoring of signals present on the line. Four AA batteries included. 5 x $3^3/_4$ x $1^3/_4$", 12 oz. One year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
822-091	Model 91 Analog Test Set	$395.00

For replacement batteries, see page 127

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



TRIPLETT CORPORATION

Fox and Hound Wire Tracing Products

- Economical and easy-to-use
- Buy in pairs and save

The **Fox Tone Generator** has three tones. It will also check continuity, polarity and provide "talk power". **Hound Inductive Tracer** provides a hi-gain, hi-impedance amplifier capable of identifying the tone up to 12" from the cable. The **Hound 2** adds an adjustable volume control and LED. All units require 9V batteries sold separately. (Taiwan)

Cat. No.	Mfr. No./Description	Each
56-380	3380 Fox Tone Generator	$29.00
56-390	3390 Hound Inductive Tracer	49.00
56-395	3236 Hound 2 Inductive Tracer	49.00
56-385	3385 Fox and Hound Pair	69.00
56-400	3245 Fox and Hound 2 Pair	69.00
56-405	Belt Holster	17.50
473-005	9V Alkaline Battery (two required)	3.15



JENSEN®

Talk to Me Communications System

Offers point-to-point full duplex communications on any pair of conductors, including telephone, coax, Romex, speaker, signal wires. Connect and ring, battery provides up to 75 hours of use. Up to 5000' depending upon wire quality and type. Set includes two units with headsets and batteries. Works with any analog test set.

Cat. No.	Description	Each
414-010	Talk to Me Set	$140.00



Pocket Telephone Line Tester

- Accurately tests one & two line outlets
- Prevents damage to analog modems

Conveniently tests for polarity, DC line voltages, loop current levels, AC ring voltages. Precisely simulates off-hook state. All this in a portable pocket-clip package. Perfect for telephone, computer and network technicians. Provides a complete health check of the phone line without the need for cumbersome equipment. RJ-11 jack built-in, two RJ-11 pigtails included. 90 day warranty.

Cat. No.	Mfr. No./Description	Each
433-010	BT-10 Pocket Telephone Line Tester	$19.95



PROGRESSIVE ELECTRONICS

Wire Harness Short/Open Finder

- One person operation
- Accurate results

By injecting an audio tone into the conductor and then tracing that tone until it disappears you can pinpoint opens or shorts anywhere they occur, even in the middle of a large bundle. Receiver operates inductively, no need to attach to conductor. Ruggedly constructed, headphones included for noisy environments. Uses 9V batteries sold separately.

Cat. No.	Description	Each
565-195	Wire Harness Short/Open Finder	$195.00
473-005	9V Alkaline Battery (two required)	3.15



Hand Wrapping Tools

Cat. No.	Type	Wire Size (AWG)	Term. Hole Diam.	Term. Hole Depth	Outside Diam.	Each
759-053	A	22-24	.075	.807	.218	$53.00
125-119	A	22-24	.086	1.000	.218	51.00
125-121	A	26	.075	1.000	.218	53.00
759-057	A	★ 26	.040	.750	.125	56.00
125-125	B	★ 30	.036	.750	.125	56.00

★Produces modified wrap

Hand Unwrapping Tools

Cat. No.	Type	Wire Size (AWG)	Type of Unwrap	Term. Hole Diam	Term. Hole Depth	Outside Diam.	Each
125-203	C	20-26	Left	.070	1.000	156	$19.00
759-054	E	20-26	L–R	.070	1.000	.156	23.00
759-043	D	20-26	Left	.070	2.360	.187	25.95
125-205	C	20-26	Left	.070	1.000	.120	19.00
125-201	C	24-32	Left	.038	1.000	.093	15.00
759-056	E	24-32	L–R	.038	1.000	.093	23.00
125-209	D	28-32	L–R	.038	0.750	.156	23.00

JONARD



Combination Wrapping and Unwrapping Tools

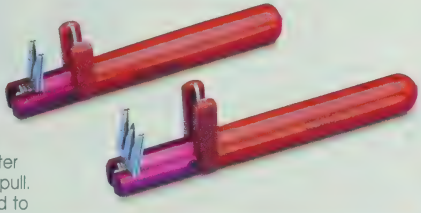


Cat. No.	Wrap Reg.	Wrap Mod.	Wire Size (AWG)	Maximum Insul. Diam.	Term. Hole Diam.	Term. Hole Depth	Term. Outside Diam.	Term. Hole Diam.	Term. Hole Depth	Outside Diam.	Each
125-129	●		20	–	.075	1.000	.218	.070	1.000	.156	$74.00
759-051	●		22-24	–	.075	.807	.218	.070	1.000	.156	78.00
125-131		★	26	.031	.040	.750	.125	.038	1.000	.093	86.00
125-137		★	30	.027	.036	.750	.125	.038	1.000	.093	86.00

★Produces modified wrap

ok

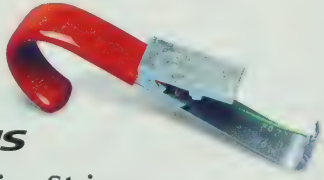
Wire Cut-&-Strip Tools



Place wires in stripping slot with ends extending beyond cutter blades. Press tool and pull. Wire is cut and stripped to proper wire wrapping" length.

Cat. No.	Each	Wire-AWG	Stripped Wire/Length	Repl. Blade	Each
125-167	$32.50	22-24	15/16 to 19/16"	125-155	$6.25
125-171	32.50	26	15/16 to 111/16"	125-149	6.25
125-173	32.50	28	7/8 to 11/16"	125-151	7.50
125-175	32.50	30	7/8 to 11/16"	125-153	7.50

Not for Mylene or Teflon insulation.



HARRIS

MCO Wire Stripper

Measured cut-off (MCO) stripper is designed to prepare wire for wire-wrapping installations. 22-24 AWG stainless steel with vinyl handle for comfort. Standard 15/8" strip. (USA)

Cat. No.	Description	Each
792-224	MCO Style Stripper	$44.50
792-222	Double-Slotted Stripper w/o MCO Stripper	19.00

JONARD

Wire Cut & Strip Tool

Simply place wire in stripping slot, squeeze the tool and pull. You now have the wire cut and stripped to the proper length. Comes with cushion grips and interchangeable blades, 22-24 AWG and 24-26 AWG, and a hard plastic case.

Cat. No.	Description	Each
759-036	Wire Cut & Strip Tool	$37.00
759-058	Replacement Blade 22-24 AWG	8.50
759-059	Replacement Blade 24-26 AWG	8.50

Not for Mylene or Teflon insulation.



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Standard Pneumatic

Electric Wire Wrapping Tool



- Fully insulated
- Unique indexing mechanism

Designed for production applications where wire sizes from 18-32 AWG will be used. A lightweight Lexan housing and specially designed handle help reduce repetitive motion injuries. 20' power cord provides optimum usage range from the outlet. Bits and sleeves are listed on page 193. 115VAC. (USA)

Cat No.	Description	Range	Each
316-100	Electric Wire Wrapping Tool	18-32 AWG	$239.00

Electric Wire Wrapping Tools



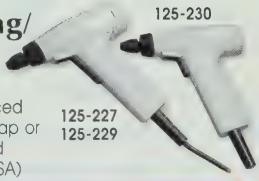
Standard Model is designed for prototyping and moderate production applications. Adjustable index. Two-finger trigger control reduces operator fatigue.

Heavy-Duty Model offers a more powerful motor for steady performance,and includes backforce to reduce overwraps. Bit and sleeves sold separately on page 193. (USA)

Cat. No.	Description	Each
3-556	Standard Electric Wire Wrap Tool	$205.00
3-560	Heavy-Duty Electric Wire Wrap Tool	325.00

ok

Electric Wire Wrapping/ Unwrapping Tools



Longer handle extends below hand resulting in a lightweight (13 oz.), balanced tool. **125-227** and **125-229** convert to wrap or unwrap with the flick of a switch. Bit and sleeves sold separately on page 193. (USA)

Cat. No.	Description	AWG	Each
125-230	2 Finger Trigger Tool	–	$213.50
125-227	1 Finger Tool with Backforce	–	223.50
125-229	1 Finger Tool without Backforce	–	218.00
125-222	Unwrap Bit and Sleeve Sets	20-26	46.00
125-283	Unwrap Bit and Sleeve Sets	26-32	46.00

Standard Pneumatic

Pneumatic Wire Wrapping Tool



- Low air consumption
- Lightweight (9 oz.)

Manufactured from a lightweight, high impact resistant, glass-filled nylon, it's designed for mass production and aircraft maintenance applications. Used with wire sizes from 18-32 AWG, the high speed (4500 rpm) motor produces fast, efficient wraps. Requires only 3 cfm of air at 90 psig. Bits and sleeves are listed on page 193. (USA)

Cat No.	Description	Range	Each
316-002	Pneumatic Wire Wrapping Tool	18-32 AWG	$465.00

Standard Pneumatic

Battery Powered Wire Wrapping/ Unwrapping Tool



- Unique indexing mechanism
- Durable plastic housing

A versatile tool for wrapping and unwrapping in field service, low-volume production, and remote service locations. This lightweight tool (14 oz.) is used for wrap wire sizes 24-32 AWG. The battery charges in the tool so no extra receptacle is required and you simply reverse the battery to unwrap. Unwrap bits and sleeves are shown below. Rechargeable NiCad C batteries and charger are included. (USA)

Cat No.	Description	Range	Each
316-024	Wire Wrapping/Unwrapping Tool	24-32 AWG	$255.00
316-021	Unwrap Bit	20-26 AWG	20.00
316-022	Unwrap Bit	26-32 AWG	20.00
316-023	Unwrap Support Sleeve	–	11.00

For replacement batteries, see page 282

Wire-Wrap

Battery Powered Wire Wrapping/ Unwrapping Tool



- More than 1100 wraps per charge
- Fast recharge, 1 hour!

Flip the battery over to unwrap. Wire Wrap Tool Kit contains tool, charger, power supply, 26, 28, 30 AWG wrap bits and sleeve, 28-30 AWG unwrap bit and sleeve. Additional bits and sleeves sold separately on page 193. (USA)

Cat. No.	Description	AWG	Each
3-551	Battery Powered Wire Wrapping Tool	28-30	$285.00
3-550	Replacement Battery Cell	–	47.00
1-676	Wire Wrap Tool Kit	28-30	395.00

ok

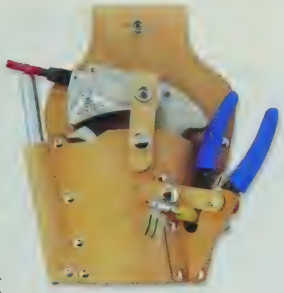
Battery Powered Wire Wrapping/ Unwrapping Tool



Ideal for field service applications and small production jobs. This heavy-duty tool uses standard wrap/unwrap bits and sleeves for 24-30 AWG wire. Operates on two "C" size rechargeable batteries included and has a switch to reverse direction. Backforce device prevents overwrapping. Bit and sleeves sold separately on page 193. (USA)

Cat. No.	Description	AWG	Each
125-005	Wire Wrapping/Unwrapping Tool	24-30	$235.00

For replacement batteries, see page 282



JONARD

Telecom Wire Wrap Kit

➥ Aluminum wrapping tool ➥ Leather holster

Everything you need to cut, strip and wrap 22 to 24 gauge wire. Includes cut and strip tool, aluminum wire wrapping tool, 22-24 bit and sleeve and 22-24 wrap/unwrap hand tool all in a leather belt loop holster. (USA)

Cat. No.	Mfr. No./Description	AWG	Each
759-011	Telecom Wire Wrap Kit	22-24	$270.00

JONARD

Manual Wire Tool



➥ Insulated sleeves

Hand operated Lexan tool uses any bit and sleeve. Recommended telecom approved insulated bit and sleeves listed below. (USA)

Cat. No.	Description	Range	Each
759-031	Manual Wire Wrap Tool	–	$75.00
759-032	Wire Wrap Bit	22-24 AWG	29.00
759-034	Insulated Sleeve for 759-032	–	19.00
759-033	Wire Wrap Bit	26 AWG	34.00
759-035	Insulated Sleeve for 759-033	–	19.00

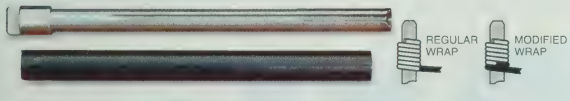
JONARD

Manual Wire Wrapping Tool



Optimum range is 22-32 AWG. For production line and field service use in electronic and telecommunications industries. Bits and sleeves sold separately. See below. (USA)

Cat. No.	Description	AWG	Each
759-010	Aluminum Manual Wire Wrapping Tool	22-32	$105.00



Wire Wrap Tool Bits and Sleeves

Bits and sleeves combine with tools on page 192. Each bit should be purchased with a sleeve to assure proper tolerances and operation.

Bits		Wire Size		Sleeves	
Cat. No.	Price	(AWG)	Wrap.	Cat. No.	Price
125-018	$56.00	18	REG	125-194	$28.00
316-003	37.00	20	REG	316-016	22.00
125-020	45.75	20	MOD	125-195	28.00
316-004	38.00	22	REG	316-017	20.00
316-037	42.00	22	MOD	316-017	20.00
759-032	29.00	22-24	REG	759-034	19.00
316-036	40.00	22-24	MOD	316-017	20.00
316-007	37.00	24	REG	316-019	19.00
316-008	43.00	24	MOD	316-019	19.00
759-033	34.00	26	REG	759-035	19.00
316-012	43.00	26	MOD	316-019	19.00
316-013	38.00	28	REG	316-020	25.00
125-217	42.00	28	MOD	759-061	25.50
759-060	36.95	30	MOD	759-061	25.50
316-035	36.00	30-32	REG	316-020	25.00
316-015	46.00	30-32	MOD	316-020	25.00
125-077	64.00	24*	REG	125-079	31.00
125-075	64.00	26*	REG	125-079	31.00

* 2" longer then standard bits and sleeves

ok®

Manual Wire Unwrapping Tool



➥ Only 2 bit/sleeve combos for most applications

Lightweight aluminum tool provides fast, smooth unwrapping action. Use only with bit and sleeve sets listed below. (USA)

Cat. No.	Description	AWG	Each
125-559	Manual Wire Unwrapping Tool	–	$131.00
125-558	Unwrap Bit/Sleeve	22-26	57.00
125-557	Unwrap Bit/Sleeve	26-32	57.00



Insulated Bits & Sleeve Sets

Operate with any tool. Provide protection from shorts. Color coded.

Cat. No.	Wire Size (AWG)	Wrap	Sleeve Color	Price
316-038	22-24	REG	Blue	$46.00
316-039	22	REG	Blue	49.00
316-040	24	REG	Yellow	49.00
316-041	26	REG	Green	49.00
316-042	26	MOD	Red	60.00
316-043	30	MOD	White	66.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Telecom Technician's Tool Kit

➥ Quality tools

Kits include mini Maglite flash, Jensen 814 punch tool with 66 and 110 blades, Progressive AT6 Adaptoner or Jensen TG-100, twisted pair stripper and your choice of the industry standard Progressive 200EP tone probe, the Ideal ABS probe, or Jensen's TP-100.

Cat. No.	Description	Each
23-501	Telecom Technician's Tool Kit w/ABS Tone Probe	$245.00
23-502	Telecom Technician's Tool Kit w/200EP Tone Probe	240.00
23-503	Telecom Technician's Tool Kit w/TT-100 probe and TG-100 Toner	225.00
216-010	Case only w/belt loop, releasable	19.00



Cable Splicer's Kit

Kit includes straight-blade knife and strip jaw scissors in a two pocket leather pouch.

Cat. No.	Description	Each
1-216	Cable Splicer's Kit	$25.95
37-442	Knife only	11.95
320-175	Scissors only	10.50
216-373	Case only	6.50



Belt Kits

➥ Industry standard tools ➥ Heavy-duty belt

Designed for the craftsperson working inside or out. Comfortable, adjustable nylon belt with strong, gusseted pockets. Outlasts leather work belts. Tool pouches are moveable on the belt for a custom fit and feature Velcro® strips to keep pouches in place. **Kits** include Jensen JTS-30 test set with Jensen 814 punch tool with 66 and 110 blades, wood and metal punches, can wrench, probe pick and spudger, 6-wire banjo adapter, and 22 gauge stripper.

Cat. No.	Description	Size	Each
23-505	Deluxe Telecom Tool Belt Kit, Medium	31-35"	$455.00
23-506	Deluxe Telecom Tool Belt Kit, Large	35-39"	455.00
897-307BK	Medium Belt only	31-35"	83.50
897-317BK	Large Belt only	35-39"	83.50



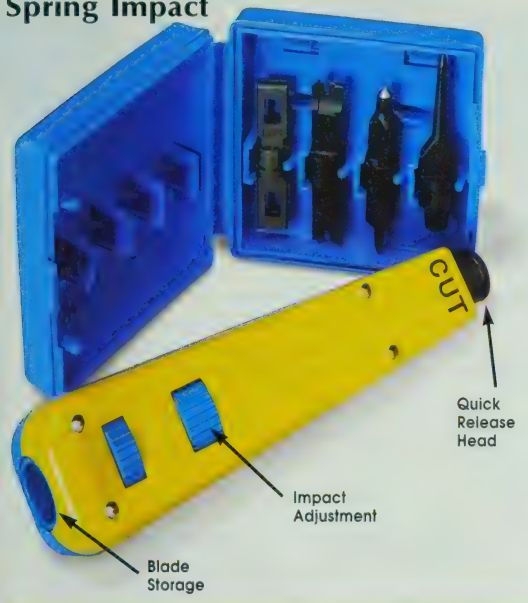
Cabling Technician's Belt Kit

➥ Worn with or without belt
➥ Durable poly pouch

Conveniently carry all your most commonly used tools in a handsome and rugged pouch. **Kit** includes impact punch down tool with 66 and 110 blades. Also included is a pair of electrician's scissors with serrated blades and strip notches, probe pick, spudger, twisted pair cable jacket stripper and a pocket clip flat bladed screwdriver.

Cat. No.	Description	Each
425-425	Cabling Technician's Belt Kit	$130.00
216-425	Case Only	12.00

D-814 Industry Standard Punch Tool with Adjustable Spring Impact



Cat. No.	Mfr. No./Description	Each
237-914	D-914 Tool w/Reversible Screwdriver Blade	$62.50
237-916	D-914 Tool only	57.00
237-650	Reversible Blade	27.50
237-651	1/4" Hex Bit Adapter	25.00
1-663	814 Punch-Down Tool, 4 Blade Kit, w/66, 110, Wood & Metal Punch Blades	129.00

D-914 Deluxe Punch Tool



D-214 Economy Punch Tool (USA)

Cat. No.	Mfr. No./Description	Each
237-814	814 Punch-Down Tool w/66 Block Blade	$58.00
237-776	814 Punch-Down Tool w/o Blades	52.50
237-214	D214™ Tool Handle	22.00
237-215	D214™ Tool w/66 Blade	27.50
237-216	D214™ Tool w/110 Blade	27.50

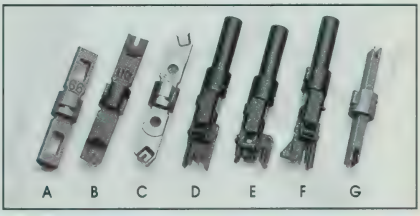
Power Punch 110 Punch Tool

Electrically-operated, handheld tool for terminating 3, 4, and 5 pair wires simultaneously on both sides of 110 blocks. It can seat 110C blocks. 115VAC.



Cat. No.	Description	Each
237-575	Power Punch 110 Punch Tool	$230.00

Blades for D-814, D-914 & D-214



Cat. No.	Key	Mfr. No./Description	Each
237-002	–	Extra-Long 66, Loop	$39.50
237-005	–	Dually 110/Krone	57.00
237-006	–	Extra-Long 66, Cut	39.50
237-301	–	Eversharp Dually Blade	30.00
237-302	–	Eversharp 66 Blade	23.50
237-303	–	Eversharp 110 Blade	23.50
237-066	A	Blade for 66 Block	20.00
237-176	B	Blade for 110 Block	24.00
237-057	C	Blade for 630A Modular Jack	19.00
237-500	D	Blade for NT "BIX" Blocks	47.00
237-465	E	Blade for 3M "D" System	63.50
237-565	F	Blade for Krone Blocks	44.00
237-058	G	Blade for GTE Modular Hardware	39.00
237-436	–	Metal Punch Blade	18.50
237-645	–	Wood/Drywall Punch Blade	15.50
237-777	–	Case (holds up to eight blades)	10.00
1-665		4 Blade Kit w/66, 110, Wood & Metal Punch Blades	79.00

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HARRIS

Can Wrenches

$^3/_8$" and $^7/_{16}$" deep nutdrivers. Available with and without stripper. **237-166** security key has $^5/_{32}$" and $^5/_{16}$" tamper-proof hex. **237-106** security key has $^5/_{16}$" tamper-proof hex and 10-32 binding post cleaner.

Cat. No.	Description	Each
237-003	Can Wrench w/22 AWG Stripper	$27.50
237-004	Can Wrench w/24 AWG Stripper	27.50
237-001	Can Wrench w/o Stripper	14.00
237-166	Security Key Insert	11.00
237-106	Security Key Insert w/Post Cleaner	19.00



HARRIS

Probe Pic

Tough resilient nylon tool is both an insulated probe and a pick.

Cat. No.	Description	Each
237-460	Probe Pic	$6.00



66 and 110 Block to Modular Adapters

➥ Now with CAT 5

Cat. No.	Description	Each
425-023	2-Wire 66 Block to RJ-11 Adapter	$11.95
425-025	4-Wire 66 Block to RJ-11 Adapter	12.25
425-027	6-Wire 66 Block to RJ-11 Adapter	12.50
425-029	8-Wire 66 Block to RJ-45 568 Paired	13.00
425-761	8-Wire 66 Block to RJ-45 USOC Paired	13.00
43-333	8-Wire 110 Block to RJ-45 Adapter	15.00
43-533	6-Wire 110 Block to RJ-45 Adapter	14.00
43-315	8-Wire 110 Block to RJ-45, CAT 5 (568A)	19.95
43-316	8-Wire 110 Block to RJ-45, CAT 5 (568B)	19.95



HARRIS

"Banjo" Adapters

Cat. No.	Description	Each
237-211	4-Wire Inline Adapter	$22.00
237-222	6-Wire Inline Adapter	24.00
237-230	8-Wire Inline Adapter	33.00
237-113	4-Wire Terminating Adapter	13.75
237-102	8-Wire Adapter w/Snagless Plug	33.00



TELTONE

Our Most Complete Phone Line Simulators

➥ Acts just like a phone company central office
➥ Demonstrate or test phone equipment anywhere
➥ Available in ISDN ➥ Two year warranty

Phone line simulators give you flexibility and lower your costs when you are demonstrating or testing any type of phone product. Fax, modem, voice or video conferencing equipment see these simulators as a real phone line. Perfect for trade shows, customer sites or in the lab. 115 VAC.

TLS-3 is a cost-effective, basic two-line unit with precise call progress tone, tone and rotary dialing, and dial-up test tones. 5.5 x 1.5 x 9", 17 oz.

TLS-4 is a programmable simulator with four ports providing two talk paths. You can program primary and secondary numbers up to 16 digits, ring cadence for Distinctive Ringing, off-hook modes, network response time delays, test tone frequency and cadence, line attenuation and forced disconnect. It features dial up test tone, hot line ringdown (automatically rings another station when the handset is lifted), precise call progress tones such as dial tone, busy, reorder and ringback. PBX features include call transfer, call hold, conference, hunt groups, "9" access outside line. It has a built-in audio port with standard 5 pin DIN jack for recording or playing voice or tones. It is programmable via PC (Windows software included) or through TouchTones.

TLS-5 has all of the functionality of the TLS-4 and adds these features Caller ID utilizing Bellcore single and multiple data message formats, Type I (SDMF/MDMF), Type II (SCWID/CIDCW), visual message waiting, programmable names (CID), privacy blockage, out-of-area calls and transmission errors. Class features such as Automatic Call Back, Automatic Recall, Call Forwarding, Call Waiting tone and operation, Distinctive Call Waiting, Speed Dialing and Three Way Calling. Programmable dial tone and stutter dial tone.

ILS-2000 gives you two ISDN basic rate interface lines for one end to end simulation. Configuration software is included making the unit extremely flexible. Supports NI-1, Nortel DMS-100, ETSI, and AT & T 5ESS.

ILS-B-01 gives you two line basic rate ISDN NI-1 only. It is perfect for demonstration and tradeshow purposes. ISDN sets. 10.5 x 2.2 x 10", 5 lbs.

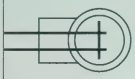
Cat. No.	Mfr. No./Description	Each
955-322	TLS-3 Two Line Basic Simulator	$465.00
955-400	TLS-4 Four Line Extended Simulator, Programmable	725.00
955-555	TLS-5 Four Line Extended Simulator w/Caller ID, Programmable	945.00
955-600	ILS-2000 Two Line ISDN Simulator, Programmable	2595.00
955-601	ILS-B-01 Two Line ISDN Demonstrator	2000.00

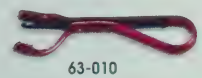
Order your Telecom supplies on-line at: www.jensentel.com

3M

Scotchlok™ Connectors & Kit

These connectors are used to make fast splices and taps on solid copper wires without stripping. They come with environmental sealant and are for PIC and pulp/paper cables. Use the chart to select the proper connector.

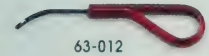
Mfr. No.		Wiring	Cat. No.	Quantity	Each
UR2			251-041	100	$11.75
UR			251-649	100	15.25
UY2			251-044	100	13.75
UY			251-650	100	11.75
UAL			251-048	100	21.00
UG			251-651	100	20.00


63-010


63-013


63-011


63-278


63-012


63-995

Sheath Tools & Lacing Needles

Cat. No.	Description	Each
63-278	Comfort Grip Sheath Slitter	$26.80
63-010	Sheath Slitter	22.00
63-013	Sheath Ringer	26.25
63-995	Wire Loop Lacing Needle	18.50
63-012	Evans Type Curved Notched Sewing Blade	13.00
63-011	Similar to 63-012 except w/Straight Blade	13.00
63-287	Replacement Needles, Curved, 6/pk.	19.95

NEW



Insulated Cable Lacing Needle

An insulated version of the popular Evans type curved notched lacing needle used to lash telecom cables. Designed for professional heavy-duty use, it has an anodized aluminum handle and an easily replaceable blade. Overall length is $5\frac{5}{8}$".

Cat. No.	Mfr. No./Description	Each
63-005	N-287INS Insulated Cable Needle	$18.50
63-287	N-287A Replacement Blades 6/pk.	19.95
63-007	Replacement Pre-shrunk Insulation	3.00



Telecom Splices

➥ Quick connections ➥ Weatherproof seal

Red (UR) Connectors provide three openings for 19-26 AWG wire, ideal for pigtail and load coil splice applications. **Yellow (UY) Connectors** are used for 22-26 AWG. **Green (UG) Connectors** tap onto 19-26 AWG wires. Solid conductor wires only.

The Telecom Splice Kit includes 100 of each type of connector in a rugged transparent box.

Cat. No.	Description	Range	Each
1-279	Telecom Splice Kit	19-26 AWG	$40.00
251-649	Red (UR) Connectors, 100 pc.	19-26 AWG	15.25
251-650	Yellow (UY) Connectors, 100 pc.	22-26 AWG	11.75
251-651	Green (UG) Connectors, 100 pc.	19-26 AWG	20.00
37-006	Optional Crimping Pliers		21.50



NEW

Telecom Cable Toolkit

A complete set of tools specifically designed for cable sheath slitting, ring cutting, lacing, sewing, parallel drop wire slitting, switch or panel board terminating - everything needed for cable work. The toolkit comes in a handy padded zippered vinyl carrying case and is perfect for use in the central office or in the field. Kit includes sheath stripper, sheath slitter, ring cutting tool, curved sewing needle, straight 7" sewing needle, wire loop lacing needle, aerial drop wire slitter and straight, flat metal sewing needle.

Cat. No.	Mfr. No./Description	Each
63-020	TK-2 Telecom Cable Toolkit	$165.00

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Cat. No.	Blade Type	Tip Size	Blade Length	Overall Length	Each 1-4	Each 5-11
Pocket Clip Style ⊖ ⊕						
36-212	Slotted	3/32"	2"	4 1/4"	$2.50	$2.00
36-163	Slotted	3/32"	3"	5 1/4"	2.75	2.20
36-182	Slotted	1/8"	2"	4 1/4"	3.00	2.40
36-183	Slotted	1/8"	3"	5 1/4"	3.25	2.60
36-122	Phillips	#0	2"	4 1/4"	2.50	2.00
Regular Style Phillips ⊕						
36-102	Phillips	#0	2"	4 1/2"	2.50	2.00
36-100	Phillips	#1	3"	6 5/8"	2.75	2.20
36-104	Phillips	#1	6"	9 5/8"	3.95	3.16
36-106	Phillips	#1	10"	13 5/8"	4.95	3.96
36-200	Phillips	#2	4"	8 1/8"	3.75	3.00
36-108	Phillips	#2	10"	14 1/8"	5.75	4.60
36-013	Phillips	#3	6"	10 1/2"	5.25	4.20

Cat. No.	Blade Type	Tip Size	Blade Length	Overall Length	Each 1-4	Each 5-11
Regular Style Slotted ⊖						
36-264	Slotted	1/8"	4"	6 1/2"	$3.50	$2.80
36-266	Slotted	1/8"	6"	8 1/2"	3.75	3.00
36-188	Slotted	1/8"	8"	10 3/4"	3.95	3.16
36-363	Slotted	3/16"	3"	6 1/2"	3.50	2.80
36-366	Slotted	3/16"	6"	9 1/2"	4.25	3.40
36-126	Slotted	3/16"	8"	11 3/4"	4.00	3.20
36-144	Slotted	1/4"	4"	8 1/8"	3.95	3.16
36-566	Slotted	5/16"	6"	10 1/2"	4.50	3.60
36-386	Slotted	3/8"	8"	12 1/2"	5.50	4.40
Stubby Style ⊖ ⊕						
36-141	Slotted	1/4"	1 1/4"	3 1/4"	$3.95	$3.16
36-500	Phillips	#2	1 1/4"	3 1/2"	3.75	3.00

Jensen Screwdrivers

JENSEN® Lifetime Guarantee — MADE IN USA ⊖ ⊕

You can count on years of use with your Jensen brand hand tools. In fact, we back them for as long as you own them.

Jensen screwdrivers are manufactured to precise specifications to assure top performance in your work. Handles feature a fluted design and beveled edges for comfort and a perfect thumb and finger grip. Handles are also break-resistant and are impervious to most acids. Blades are made from chrome-vanadium steel and are plated for lasting durability. Tips are precision ground for an accurate fit and have been vapor blasted to protect against corrosion.

Complete range of sizes. Economically priced. These Jensen Screwdrivers are guaranteed for life. If they do not measure up to your quality requirements, return it to Jensen postpaid and we will replace it free of charge.



JENSEN® Lifetime Guarantee Screwdriver Sets ⊖ ⊕

Cat. No.	Description	Slotted Sizes	Phillips Sizes	Each 1-5	6-11
23-012	Phillips/Slotted Set, 12 pc.	1/4 x 1 1/4", 3/32 x 2", 3/16 x 3", 1/4 x 4", 5/16 x 6", 1/8 x 8"	#0 x 2, #2 x 1 1/4, #1 x 3, #2 x 4, #1 x 6, #1 x 10	$41.50	$37.35
23-006	Phillips/Slotted Set, 6 pc.	3/32 x 2", 3/16 x 3", 1/4 x 4"	#0 x 2, #1 x 3, #2 x 4	16.50	14.85
23-155	Phillips Set, 5 pc.	n/a	#1 x 6, #2 x 1 1/4, #2 x 4, #1 x 3, #0 x 2	16.00	14.40
23-055	Slotted Set, 5 pc.	3/16 x 3", 1/4 x 1 1/4", 1/4 x 4", 5/16 x 6", 3/32 x 2"	n/a	16.00	14.40

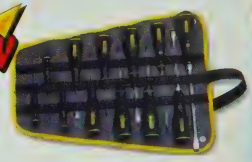


"Jobmaster" Screwdriver Set ⊖ ⊕

- Non-slip rubber grips
- Round and square shank
- Lifetime warranty

Set contains: three Phillips drivers: #2 x 1 1/2" stubby, #1 x 3" and #2 x 4"; five slotted drivers: 1/4 x 1 1/2" stubby, 5/16 x 6", 1/4 x 4", 3/8 x 8" and 3/16 x 6"; and plastic pouch. (USA)

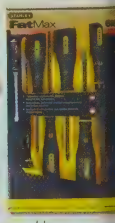
Cat. No.	Description	Each 1-5	6-11
185-667	Jobmaster Screwdriver Set, 8 pc.	$34.00	$30.60



STANLEY FatMax

High-Performance Screwdriver Sets

CONTRACTOR GRADE™



Tri-lobe handle allows 30% greater torque than traditional screwdrivers with less effort. Soft grip with textured surface and smooth end-cap for comfort. Solvent resistant. Tip identification molded into handle for quick selection. Chrome plated bar is laser marked for easy identification. Hardened and treated tips.

12 pc. Set includes 7/32 x 3", 1/4 x 4", 3/8 x 8", 7/32 x 4", 5/16 x 6", 3/32 x 3", 3/32 x 4" slotted; Phillips #0, 1, 2 and Pozidriv #1, 2. Tool roll for easy storage.

6 pc. Set includes 1/8 x 3", 1/4 x 4", 5/16 x 6", 3/16 x 6" slotted; Phillips #1, 2.

Cat. No.	Description	Each 1-5	6-11
865-074	FatMax Screwdriver Set, 12 pc.	$42.00	$37.80
865-077	FatMax Screwdriver Set, 6 pc.	21.00	18.90



Slotted and Phillips Screwdrivers

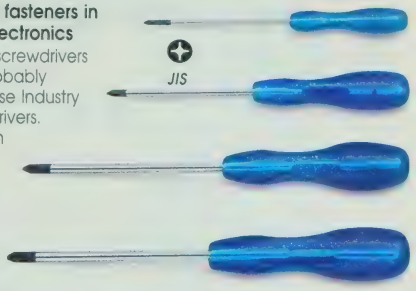
Xcelite screwdriver blades easily withstand heaviest usage without twisting or snapping. Slotted tips are ground lengthwise to the blade and are accurately gauged to fit screwslots snugly. Phillips tips have precision points. Breakproof handles are shaped for perfect grip and balance. (USA)

Cat. No.	Blade Type	Tip Size	Blade Length	Overall Length	Each 1-5	6-11
Pocket Clip Style						
3-001	Slotted	3/32"	2"	4 1/4"	$2.95	$2.65
3-003	Slotted	3/32"	3"	5 1/4"	3.00	2.70
3-005	Slotted	3/32"	4"	6 1/4"	3.00	2.70
3-007	Slotted	1/8"	2"	4 1/4"	2.95	2.65
3-009	Slotted	1/8"	3"	5 1/4"	3.00	2.70
3-069	Phillips	#0	2"	4 1/4"	3.75	3.38
Stubby Style						
3-013	Slotted	3/16"	1 1/4"	2 3/4"	$4.25	$3.83
3-015	Slotted	1/4"	1 1/4"	3 1/4"	5.75	5.17
3-071	Phillips	#1	1 7/16"	2 5/16"	5.25	4.72
3-073	Phillips	#2	1 5/16"	3 5/16"	6.25	5.63
Regular Style						
3-021	Slotted	1/8"	2"	4 1/2"	$2.75	$2.48
3-023	Slotted	1/8"	4"	6 1/2"	3.75	3.38
3-025	Slotted	1/8"	6"	8 1/2"	4.00	3.60
3-027	Slotted	1/8"	8"	10 1/2"	4.00	3.60
3-031	Slotted	1/8"	10"	12 1/2"	5.25	4.72
3-041	Slotted	3/16"	3"	6 5/8"	5.00	4.50
3-043	Slotted	3/16"	4"	7 5/8"	5.25	4.72
3-045	Slotted	3/16"	6"	9 5/8"	5.75	5.17
3-047	Slotted	3/16"	8"	11 5/8"	6.75	6.08
3-049	Slotted	3/16"	10"	13 5/8"	7.75	6.97
3-053	Slotted	1/4"	4"	7 7/8"	6.00	5.40
3-055	Slotted	1/4"	6"	9 7/8"	7.50	6.75
3-057	Slotted	1/4"	8"	11 7/8"	8.00	7.20
3-059	Slotted	1/4"	10"	13 7/8"	8.50	7.65
3-075	Phillips	#0	2"	4 1/2"	3.75	3.38
3-077	Phillips	#1	3"	6 5/8"	4.50	4.05
3-079	Phillips	#1	6"	9 5/8"	5.95	5.36
3-085	Phillips	#1	10"	13 5/8"	8.50	7.65
3-081	Phillips	#2	4"	7 7/8"	6.00	5.40
3-087	Phillips	#2	10"	13 7/8"	9.50	8.55
3-083	Phillips	#3	6"	10 1/4"	9.25	8.32

Japanese Cross Point Screwdrivers

- Designed for fasteners in Japanese electronics

If your Phillips screwdrivers do not fit, you probably need *JIS* (Japanese Industry Standard) screwdrivers. Slightly larger than American counterparts and more blunt in the larger sizes. Available in #00, #0, #1, #2 sizes. An extra long (12") #2 is provided for those hard to reach screws found in many copy machines. (Japan)



Cat. No.	Description	Size	Each 1-5	6-11
23-900	JIS Screwdriver Set, 5 pc.	All	$26.00	-
8-300	JIS Screwdriver	#00 x 3"	2.95	$2.65
8-030	JIS Screwdriver	#0 x 3"	3.75	3.38
8-104	JIS Screwdriver	#1 x 4"	4.95	4.46
8-204	JIS Screwdriver	#2 x 4"	6.95	6.25
8-212	JIS Screwdriver	#2 x 12"	8.95	8.05

Wiha® MicroFinish Screwdriver Sets



- Patented non-slip grip on molded handle
- Oil and moisture flow away from grip
- Not a coating - won't come off
- Lifetime guaranteed chrome vanadium/ molybdenum steel blades

289-091 is a round blade mechanic's set containing slotted 4.0 x 100mm, 5.5 x 125mm, 8.0 x 150mm, Phillips #1 x 80mm, #2 x 100mm.

289-092 is a heavy-duty square blade set with bolsters and strike plates, containing slotted 5.5 x 100mm, 6.5 x 125mm, 8.0 x 150mm and Phillips #1 x 80mm, #2 x 100mm. (Germany)

Cat. No.	Description	Each 1-5	6-11
289-091	Screwdriver Set, Round Blades 5 pc.	$35.00	$31.50
289-092	Screwdriver Set, Square Blades, 5 pc.	54.95	49.45





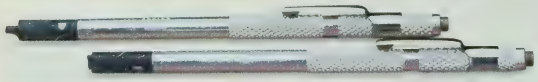
Quick-Wedge® Holding Screwdrivers

- Hold
- Start
- Drive
- Set the screw

Double-split blade and powerful wedge-type action takes a positive grip inside the screw slot. Reaches screws in tight, hard-to-reach places, even a space not much larger than the screw head itself. Tough durable steel blades. Unbreakable Tenite handles and vinyl-covered tubing on shaft. (USA)

Cat. No.	Description	Tip Size	Blade Length	Overall Length	Each 1-5	6-11
278-004	Quick Wedge Screwdriver Kit, 4 pc.				$23.25	$20.93
278-125	Small - for #0 to #4 Screws	[illegible]	3"	5"	4.95	4.46
278-734	Medium - for #4 to #7 Screws	3/16"	4"	6 1/2"	5.25	4.72
278-834	Large - for #6 to #12 Screws	[illegible]	4"	8"	6.00	5.40
278-356	Large - for #6 to #12 Screws	1/4"	6"	10"	7.25	6.53

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JENSEN® Lifetime Guarantee



Screw Starters Magnetic Retrievers

A simple twist of alloy steel bit and screw is held firmly for trouble-free starting. After starting, tool releases screw and re-sets automatically. Permanent magnet at opposite end retrieves nuts or screws dropped into hard-to-reach areas. Slender, lightweight duraluminum handle. (USA)

Cat. No.	Description	Each 1-4	5-11
Regular Slot			
23-021	Slotted Set, 3 pc. (6", 9", 15")	$16.75	$13.40
69-105	Slotted Screw Starter, 6"	5.75	4.60
69-110	Slotted Screw Starter, 9"	6.25	5.00
69-115	Slotted Screw Starter, 15"	7.25	5.80
Phillips Head			
23-023	Phillips Set, 3 pc. (6", 9", 15")	$16.75	$13.40
69-125	Phillips Screw Starter, 6"	6.25	5.00
69-130	Phillips Screw Starter, 9"	6.25	5.00
69-135	Phillips Screw Starter, 15"	7.25	5.80



Master Alignment Tool Kit

➥ ESD safe

For the electronic technician requiring a complete assortment of alignment tools. Includes alignment tools for IF cans, RF coils, trimmers, potentiometers, etc. Complete with roll pouch.

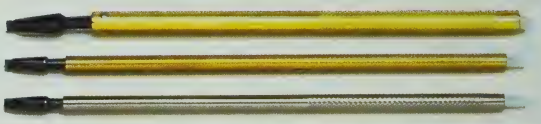
Cat. No.	Description	Each 1-5	6-11
60-300	Master Alignment Tool Kit, 25 pc.	$35.00	$36.00



Double-Ended Screw Starters by Ullman Devices

➥ Phillips/Slotted (USA)

Cat. No.	Description	Each 1-5	6-11
69-232	Double-Ended Aluminum Screw Starter, 6"	$6.50	$5.85
69-230	Double-Ended Nylon Screw Starter, 9"	7.50	6.75



Miniature Screw Starter Sets

➥ Vinyl handles

57-001 is for slotted screws and has expanding twin bit heads that fit inside the screw to hold it securely. Brass handles. Set accommodates 0, 1, 2, 3, 4, 5, 6, 8, 10, 12 and 1/4". 6" long.

57-002 is for cross-point screws and has expanding split heads that hold screws securely. Set accommodates 0, 1, 2, 3, 4, 5, 6, 8, 10, 12 and 1/4" screws. 8" long. (USA)

Cat. No.	Description	Each 1-5	6-11
57-001	Slotted Screw Starter Set, 3 pc.	$21.00	$18.90
57-002	Cross-Point Screw Starter Set, 3 pc.	21.95	19.75



Alignment Tool Kit

➥ ESD safe

Wide range of tip styles and sizing assures the user will have a tool for adjusting most conventional components. Complete with storage pouch.

Cat. No.	Description	Each 1-5	6-11
60-507	Anti-Static Alignment Tool Kit, 9 pc.	$10.95	$9.86

Magnetizer/ Demagnetizer

Wiha®

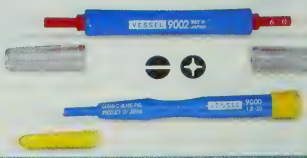
Draw tool through lower opening to magnetize. Draw tool through upper opening to demagnetize. (Germany)



Cat. No.	Description	Each 1-5	6-11
289-013	Magnetizer/Demagnetizer	$8.50	$7.65

Ceramic Alignment Tools

Special ceramic blades for zero electromagnetic induction. Outlasts metal and plastic tools.



Cat. No.	Description	Size	Each 1-5	6-11
8-001	Slotted Tool	0.9 x 30mm	$16.00	$14.40
8-002	Slotted Tool	1.8 x 30mm	16.00	14.40
8-020	Double-End Slotted Tool	0.9/1.8mm	33.00	29.70

JENSEN
Lifetime Guarantee



Precision Electronic Screwdriver Set



➥ **Phillips/Slotted**

Blades are made from hardened, plated chrome-vanadium-molybdenum steel, with precision ground tips for precise fit. Handles are tapered and feature rotating cap at the fingertip. Includes 1/16, 5/64, 3/32, 1/8" slotted drivers and #00, #0, #1 Phillips drivers in a vinyl storage pouch. (Germany)

Cat. No.	Description	Each 1-5	6-11
12-190	Precision Electronic Screwdriver Set, 7 pc.	$23.95	$21.56

Super Adapter Tool Set

Moody®



Tremendous selection of precision miniature tools recommended for use with the optional Utica® torque screwdriver as illustrated, or any 1/4" drive hand/cordless driver applications. Blades are hardened, black finished alloy steel. Set includes Insert Bit Adapter, Power Drive Bit Adapter, and the following blades: .025, .040, .055, .070, .080, .100" slotted; #000, #00, #0, #1 Phillips; #000, #00, #0, #1 Japanese Cross Point; T3-T6, T8, T10, TT8, TT10 Torx/ Tamper Torx; .028, .035, .050, .062, .078, .093" Hex; and 5/64, 3/32, 7/64, 1/8, 5/32" Nutdriver blades. (USA)

41-279 281-100

Cat. No.	Description	Each 1-5	6-11
41-279	Super Adapter Tool Set, 35 pc.	$65.50	$58.95
281-100	Optional Torque Screwdriver	215.00	193.50

Jeweler's Screwdriver Set

Moody®



➥ **Phillips/Slotted**

Precision set for instrument, optical, electronic service and repair work. Knurled handle with swivel top and six interchangeable hardened, black finish steel blades: .040, .070, .100" slotted and #00, #0, #1 Phillips in a handy storage tube. (USA)

Cat. No.	Description	Each 1-5	6-11
41-208	Jeweler's Screwdriver Set, 7 pc.	$8.95	$8.05

Moody® Precision Screwdriver Set



➥ **Removable blades**

Includes six knurled and plated steel handles, with swivel tops for ease-of-use and precise control. Fully assembled with six hardened, black finish steel blades: .025, .040, .055, .070, .080, and .100" in a vinyl pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
41-116	Precision Screwdriver Set, 6 pc.	$15.95	$14.36

Wiha®



Miniature Electronic Screwdriver Set

➥ **Phillips/Slotted**

Use on miniature fasteners found on today's electronic equipment. Impact resistant cellulose-acetate handle with swivel top for quick, easy fastening action. Chrome plated blades with vapor blasted tips for added visibility and longer life: 1.5, 2.0, 2.5, 3.0 slotted and #00, #0, #1 Phillips in a convenient storage pouch. (Germany)

Cat. No.	Description	Each 1-5	6-11
289-506	Mini Electronic Screwdriver Set, 7 pc.	$35.00	$31.50

Wiha®



Extended Blade Precision Screwdriver Set

➥ **Phillips/Slotted**

Impact resistant cellulose-acetate handle with swivel top for quick, easy fastening action. Chrome-vanadium steel blades. Sizes are marked on handles for easy selection 2" x 2.5mm, 3" x 2.5mm, 4" x 3.0mm, 6" x 3.0mm, 4" x 4.0mm, 6" x 4.0mm slotted drivers and 3" x #0 Phillips in a vinyl storage pouch. (Germany)

Cat. No.	Description	Each 1-5	6-11
194-483	Precision Screwdriver Set, 7 pc.	$29.95	$26.95

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Moody® Pollicis®

➥ Lifetime warranty
➥ Advanced ergonomic anti-static handle

41-317 includes Slotted: .062/.072; .080/.125"; Slotted/Phillips: .087/.100"
41-390 includes Slotted: .078, .093, .125, .141, .156"; Phillips: #00, #0, #1

Cat. No.	Description	Each 1-5	6-11
41-317	6-in-1 Reversible Tip Set	$10.25	$9.22
41-390	Fixed Handle Extended Blade Set	25.00	22.50



Wiha® ESD-Safe Driver Sets

➥ Chrome-moly-vanadium blades

Sets feature ESD-safe swivel top handle and removable blades in a plastic case which doubles as a tool stand. Adjustable chuck-type handle permits varying the exposed blade length from 0.6" to 3.75". (Germany)

289-034 includes slotted reversible blades 1.5mm/3mm, 2mm/3.5mm and Phillips reversible blades #000/#00, #0/#1.

Cat. No.	Description	Each 1-5	6-11
289-034	Slotted/Phillips Screwdriver Set, 5 pc.	$29.95	$26.95

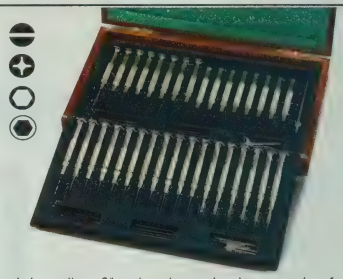


Wiha® NEW Micro Torx Screwdriver Set

➥ Very small Torx sizes T3, T4, T5 ➥ ESD-safe Handle

Contains very small Torx sizes T3, T4 and T5 commonly found in computer hardware such as drives, etc. Interchangeable blades fit ESD-safe handle with spinner-knob top. 4 3/4" blade length. (Germany)

Cat. No.	Description	Each 1-5	6-11
289-080	Micro Torx Screwdriver Set, 4 pc.	$21.00	$18.90



Moody® 100-Piece Precision Tool Set in Wooden Case

Contains 33 knurled chuck handles, 3" extension, plus two each of slotted screwdriver blades .025, .040, .055, .070, .080, .100"; Phillips blades #0 and #1; socket/nut-driver blades 5/64, 3/32, 7/64, 1/8, 5/32"; hexdriver blades .028, .035, .050, .062, .078, .093"; Torx® driver blades T-3, T-4, T-5, T-6, T-8; open-end wrenches 5/64, 3/32, 7/64, 1/8, 5/32, 3/16, 1/4, 5/16". Handsome wooden storage case has a fitted top and bottom pallet to hold the various components for easy selection. (USA)

Cat. No.	Description	Each 1-5	6-11
41-199	Precision Tool Set, 100 pc.	$189.00	$170.10



Moody® Sub-Miniature Tool Sets

Famous Moody quality with heat-treated tool-steel blades and black finish. **41-152** contains 27 knurled chuck-type handles; 3" extension; plus two each of slotted screwdriver blades .025, .040, .055, .070, .080, .100"; Phillips blades #0 and #1; Allen hex wrench tips .028, .035, .050, .062, .078, .093"; socket wrench tips 5/64, 3/32, 7/64, 1/8, 5/32"; offset open-end wrench tips 5/64, 3/32, 7/64, 1/8, 5/32, 3/16, 1/4, 5/16"; fitted plastic fold-up case. **41-153** is similar but contains only one each of above components. **41-154** contains same 27 tool blades with one handle, in a vinyl fold-up case. (USA)

Cat. No.	Description	Each 1-5	6-11
41-152	Super Deluxe Set	$99.00	$89.10
41-153	Super Standard Set	69.00	62.10
41-154	Economy Set	29.00	26.10

Moody® Precision Torx Driver Sets

➥ Very small T-1 through T-6 sizes

Fixed-handle precision drivers fit very small Torx fasteners (T1 through T6) common in computers, instruments and electronic hardware. Available in static-dissipative extended reach and metal-handle standard reach versions. Finest quality construction. (USA)

Cat. No.	Description	Each
41-450	Precision Torx Driver Set, Extended Reach 6/pc.	$28.50
41-148	Precision Torx Driver Set, Standard Reach 6/pc.	32.00

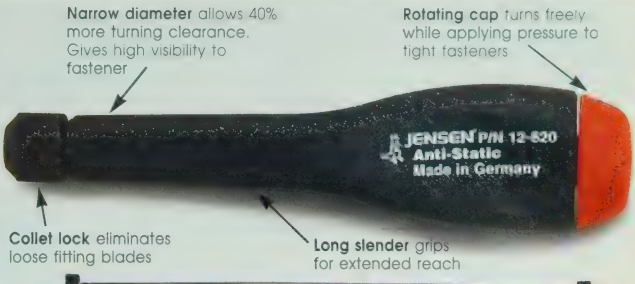


JENSEN
Lifetime Guarantee

Interchangeable Blade System Sets

➥ 5 1/2" long blades ➥ ESD-safe handles ➥ Roll pouch

Ergonomic shape means less user fatigue over long periods of use.





Cat. No.	Description	Each
12-600	**Slotted/Phillips Set, 8 pc.** Slotted: .118, .157, .236, .314" Phillips: #0, 1, 2	$34.50
12-610	**Inch Hex Set, 8 pc.** 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32"	34.50
12-620	**Inch/Metric Hex Set, 13 pc.** 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32", 2.5, 3, 4, 5, 6mm	55.50
12-630	**Inch Nutdriver Set, 10 pc.** 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"	44.50
12-640	**Metric Nutdriver Set, 11 pc.** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11mm	47.50
12-650	**Torx Set, 8 pc.** T8, 9, 10, 15, 20, 25, 30	37.50
12-660	**Combo PC Set, 9 pc.** Slotted: .157, .236 Phillips: #0, #1 Nutdriver: 3/16, 1/4" Torx T10, T15	45.50



27-Piece Technician's Micro Bit Set

➥ Perfect for PC techs

➥ Bits can be used directly with handle or with extension

Includes precision swivel top handle, bit extension, four slotted bits 1.5, 2.0, 3.0, 4.0 mm; four Phillips bits #000, 00, 0, 1; nine Torx bits T3, 4, 5, 6, 7, 8, 9, 10, 15; eight hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32". (Germany)

Cat. No.	Description	Each 1-5	6-11
12-991	Technician's Micro Bit Set, 27 pc.	$45.00	$40.50

GENERAL

5-Piece Precision Screwdriver Set



➥ Phillips/slotted

Precision crafted screwdriver set features fingertip swivel head, textured handle and chrome vanadium steel blades. Contains #00 x 2 1/2", #0 x 4" and #1 x 4" Phillips; 3/32 x 2 1/2" and 1/8 x 4" slotted. (USA)

Cat. No.	Description	Each 1-5	6-11
39-700	Precision Screwdriver Set, 5 pc.	$16.25	$14.63



STANLEY



6-Piece Ratchet Screwdriver Set

➥ 3-position ratchet ➥ Bits store in handle

A faster and easier way to drive screws. Bits include slotted 1/4, 5/16, 9/32" and Phillips #1 and #2. (USA)

Cat. No.	Description	Each 1-5	6-11
185-687	Ratchet Screwdriver Set, 6 pc.	$15.95	$14.36

Crescent®

Square Drive Screwdrivers

Fits Robertson* and Scrulox fasteners. Two-piece, zinc-plated chrome-vanadium steel shafts for strength and extended wear. Oversized high-torque handles are color coded for easy identification. 4" blade length. (USA)

Cat. No.	Description	Size	Color	Each 1-5	6-11
23-205	Square Drive Screwdriver Set, 4 pc.	#1	#1	$19.95	$17.95
3-032	Square Drive Screwdriver	#0	Amber	5.25	4.72
3-033	Square Drive Screwdriver	#1	Green	5.25	4.72
3-034	Square Drive Screwdriver	#2	Red	5.50	4.95
3-035	Square Drive Screwdriver	#3	Black	5.75	5.17

*Robertson is a trademark of Robertson Tool Co

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Xcelite "99" Series

- Space saver in your tool box
- Quick and easy blade identification

Interchangeability is the key word in describing Xcelite's "99" Series tools. Engineers and technicians prefer these tools because:

- They can be selected to exactly match the work being done, at the lowest cost with minimum size and weight
- Tool replacement is quick and economical, as only the blades need be replaced when worn out
- Handle and extension versatility (large, small, short, long, "T" or ratchet) is extended to every blade.

All blades are high carbon steel. Handles feature a patented spring device that holds blades firmly yet permits quick, easy insertion and removal. Blade lengths range from $4^1/_2$-$5^1/_2$" long.

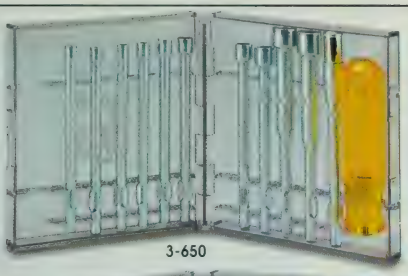


MADE IN USA

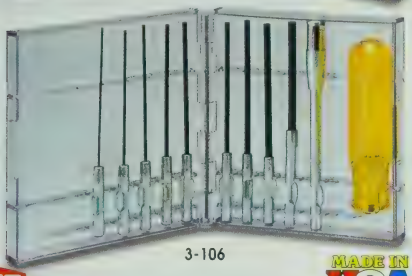
Cat. No.	Description	Each 1-5	6-11
Handles			
3-609	Regular, $4^1/_8$" long	$4.95	$4.46
3-611	Ratchet, $4^1/_8$" long	28.50	25.65
3-613	Junior, $3^1/_8$" long	4.95	4.46
3-993	Stubby, 2" long	4.75	4.28
3-617	"T" Style, 1 x $3^3/_8$"	6.25	5.63
3-619	Ratchet "T", 1 x $3^3/_8$"	29.50	25.55
Nutdriver Blades			
3-623	$^3/_{16}$"	$4.75	$4.28
3-625	$^7/_{32}$"	4.75	4.28
3-627	$^1/_4$"	4.75	4.28
3-633	$^9/_{32}$"	4.75	4.28
3-635	$^5/_{16}$"	4.75	4.28
3-641	$^{11}/_{32}$"	4.75	4.28
3-643	$^3/_8$"	4.75	4.28
3-647	$^7/_{16}$"	6.00	5.40
3-649	$^1/_2$"	6.00	5.40
3-651	4.0mm	4.25	3.83
3-653	4.5mm	4.25	3.83
3-655	5.0mm	4.25	3.83
3-657	5.5mm	4.25	3.83
3-659	6.0mm	4.25	3.83
3-661	7.0mm	4.25	3.83
3-663	8.0mm	4.25	3.83
3-665	9.0mm	4.95	4.46
3-994	10mm	4.95	4.46
3-991	11mm	4.95	4.46
Slotted Blades			
3-727	$^1/_8$"	$4.50	$4.05
3-733	$^3/_{16}$"	4.50	4.05
3-729	$^1/_4$"	4.50	4.05
3-731	$^5/_{16}$"	4.50	4.05
Phillips Blades			
3-735	#0	$4.50	$4.05
3-737	#1	4.50	4.05
3-739	#2	4.50	4.05

Cat. No.	Description	Each 1-5	6-11
Torx® Blades			
3-105	T6	$5.75	$5.17
3-050	T8	5.50	4.95
3-742	T10	5.25	4.72
3-744	T15	5.25	4.72
3-746	T20	5.25	4.72
3-722	T25	5.25	4.72
3-725	T27	5.50	4.95
3-728	T30	5.50	4.95
Tamper Torx® Blades			
3-888	TT8	$6.50	$5.85
3-369	TT10	6.50	5.85
3-919	TT15	5.95	5.36
Reamer Blade			
3-685	$^1/_8$ to $^3/_8$"	$11.50	$10.35
Hex Blades			
3-667	.050"	$4.50	$4.05
3-669	$^1/_{16}$"	4.50	4.05
3-671	$^5/_{64}$"	4.50	4.05
3-673	$^3/_{32}$"	4.50	4.05
3-675	$^7/_{64}$"	4.50	4.05
3-677	$^1/_8$"	4.50	4.05
3-679	$^9/_{64}$"	4.50	4.05
3-681	$^5/_{32}$"	4.50	4.05
3-683	$^3/_{16}$"	4.50	4.05
3-709	1.27mm	5.50	4.95
3-711	1.5mm	5.50	4.95
3-713	2mm	5.50	4.95
3-715	2.5mm	5.50	4.95
3-717	3mm	5.50	4.95
3-719	4mm	5.50	4.95
3-721	5mm	5.50	4.95

Cat. No.	Description	Each 1-5	6-11
Extension Blades			
36-905	4"	$5.00	$4.50
36-801	7"	5.50	4.95
Scrulox Blades			
3-401	#1	$5.25	$4.72
3-402	#2	5.25	4.72
3-403	#3	5.25	4.72
Ballpoint Hex Blades			
3-501	1.27mm	$6.95	$6.25
3-502	1.5mm	6.95	6.25
3-503	2mm	6.95	6.25
3-504	2.5mm	6.95	6.25
3-505	3mm	6.95	6.25
3-506	4mm	6.95	6.25
3-507	5mm	6.95	6.25
3-992	.050"	7.95	7.16
3-078	$^1/_{16}$"	7.50	6.75
3-220	$^5/_{64}$"	7.50	6.75
3-231	$^3/_{32}$"	7.50	6.75
3-240	$^1/_8$"	7.50	6.75
3-764	$^7/_{64}$"	7.50	6.75
3-964	$^9/_{64}$"	7.50	6.75
3-250	$^5/_{32}$"	7.50	6.75
3-260	$^3/_{16}$"	7.50	6.75
Pozidriv Blades			
3-831	#1	$7.25	$6.53
3-832	#2	7.25	6.53
3-833	#3	8.00	7.20



3-650



3-106

XCELITE

MADE IN USA

99-Series Sets

➥ Inch or metric ➥ All sets include case/bench stand

Metric Nutdriver Set – includes ten blades: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11mm; 4" extension and regular handle.

Regular-End Metric Hexdriver Set – seven regular-end hex blades: 1.27, 1.5, 2, 2.5, 3, 4, 5mm; 4" extension; regular handle.

Ball-End Metric Hexdriver Set – seven ball-end hex blades: 1.27, 1.5, 2, 2.5, 3, 4, 5mm; 4" extension; regular handle.

Regular-End Inch Hexdriver Set – nine regular-end hex blades: 0.050", 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; 4" extension; regular handle.

Ball-End Inch Hexdriver Set – nine ball-end hex blades: 0.050", 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; 4" extension blade; regular handle.

Bristol Spline Blade Set – nine spline blades: .048-6, .060-6, .069-4, .072-6, .076-4, .096-6, .111-6, .145-6, .183-6; 4" ext. blade; regular handle.

Pocket Kit – regular handle; seven nutdriver blades (3/16 through 3/8"); two slotted screwdriver blades; two Phillips screwdriver blades #1 and #2; and a 4" extension. (USA)

Cat. No.	Description	Each 1-5	6-11
3-650	Metric Nutdriver Set, 12 pc.	$61.00	$54.90
3-107	Regular-End Metric Hexdriver Set, 9 pc.	43.50	39.15
3-061	Ball-End Metric Hexdriver Set, 9 pc.	55.00	49.50
3-106	Regular-End Inch Hexdriver Set, 11 pc.	43.50	39.15
3-060	Ball-End Inch Hexdriver Set, 11 pc.	64.25	57.83
3-110	Bristol Spline Blade Set, 11 pc.	44.00	39.60
3-607	Pocket Kit, 13 pc.	55.75	50.17

JENSEN
Lifetime Guarantee

Nutdriver/Screwdriver Roll Pouch Kit

Ideal for the technician, serviceman or the home hobbyist. Contains a 4 1/8" handle; nine nutdriver blades (3/16-1/2"), Phillips screwdriver blades #1 and #2; and slotted screwdriver blades 3/16 and 1/4". Roll pouch features clear vinyl pockets and Velcro® closure. (USA)

Cat. No.	Description	Each 1-4	5-9
1-014	Nutdriver/Screwdriver Kit, 14 pc.	$52.00	$47.84



XCELITE

99MP Tool Kit

➥ Contains most used "99" series tools

An excellent supplementary item for your general purpose tool kit. Kit includes regular handle; "T" handle; nine nutdriver blades 3/16 through 1/2"; 1/4" magnetic nutdriver blade; nine Allen-hex blades .050 through 3/16"; nine Bristol spline blades .048 through .183"; four slotted screwdriver blades; three Phillips screwdriver blades #0, 1 and 2; reamer; and a 4" extension. Furnished in a canvas roll pouch. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-603	99MP Fastener Tool Kit, 39 pc.	$193.00	$173.70
3-996	Roll Pouch only	30.00	27.00



JENSEN
Lifetime Guarantee

Reversible Screwdriver Kit

Kit features a comfortable handle and three reversible blades: #1 Phillips x 3/16" slotted; #2 Phillips x 1/4" slotted; and #3 Phillips x 5/16" slotted. Self-contained in roll pouch. Replacement blades and handle available. (USA)

Cat. No.	Description	Each 1-5	6-11
3-300	Screwdriver Kit, 4 pc.	$24.50	$22.05
3-191	#3 x 5/16" Blade	6.50	5.85
3-192	#2 x 1/4" Blade	6.75	6.08
3-193	#1 x 3/16" Blade	6.75	6.08
3-194	Additional Handle	5.25	4.72



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JENSEN
Lifetime Guarantee

Nutdriver Set



➥ Hollow shaft

Set contains nine nutdrivers in Cordura® roll pouch: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2". Color-coded handles for easy size selection. (USA)

Cat No.	Description	Each 1-5	6-11
23-103	Nutdriver Set, 9 pc.	$46.00	$41.40
216-292	Pouch only	11.00	9.90

Individual nutdrivers available. Call for prices.



XCELITE

Mini-Nutdriver Set

➥ Hollow shaft

Set includes 10 mini-nutdrivers and one torque amplifier handle in clear plastic case/bench stand: 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, and 3/8". Color-coded handles for easy size selection. Overall length 3 1/2". (USA)

Cat. No.	Description	Each 1-5	6-11
36-103	Mini-Nutdriver Set, 10 pc.	$28.00	$25.20



XCELITE

Nutdriver Sets

➥ Fixed handles ➥ Inch or metric

Inch Set includes color-coded nutdrivers, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, and 9/16" in molded case. Full hollow shafts.

Metric Set includes 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 13mm in molded case. Shafts are drilled out to 1 1/4". (USA)

Cat. No.	Description	Each 1-5	6-11
3-227	Inch Nutdriver Set, 10 pc.	$59.95	$53.95
3-570	Metric Nutdriver Set, 10 pc.	61.25	55.13



XCELITE

99SM Service Master Kit

Weighs only 2 3/4 lbs. and can easily be carried in your tool box or stored in a workbench drawer. Kit includes a 6" thin-pattern adjustable wrench, regular handle, stubby handle, nine nutdriver blades 3/16 to 1/2", three stubby nutdrivers 1/4, 5/16 and 3/8", two Phillips screwdriver blades, two slotted screwdriver blades, one reamer, a 7" extension blade, 6" long nose pliers, 5" diagonal cutters and a durable canvas roll pouch. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-601	99SM Service Master Kit, 23 pc.	$161.00	$144.90
3-757	Roll Pouch only	23.50	21.15



XCELITE

99PR Roll Kit

Includes nine nutdriver blades 3/16 to 1/2", two slotted blades 3/16 to 1/4", two Phillips blades #1 and #2, a regular handle and a canvas roll case. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-605	99PR Roll Kit, 14 pc.	$77.95	$70.16
3-929	Roll Pouch only	11.95	10.76

Crescent®

Cushion Grip Nutdrivers



Premium quality nutdriver set features precision machined, case-hardened socket and hollow steel shaft. Tapered cushion grip interlocks with butyrate core giving a powerful, comfortable grip. Includes 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2". (USA)

Cat. No.	Description	Size	Each 1-5	6-11
3-119	Cushion Grip Nutdriver Set, 7 pc.	All	$41.25	$37.13

BONDHUS



Inch or Metric Balldriver Sets

- Full-size or miniature
- Inch or metric
- Use at any angle up to 25° off axis

Heat treated alloy steel blades with handles and blade length proportioned to fastener size. Large sets in molded plastic case, miniature sets in plastic pouch. (USA)

Cat. No.	Description	Size/Range	Each 1-4	5-11
289-800	Full-Size Inch Set, 8 pc.	7/64 thru 5/16"	$28.25	$22.60
289-737*	Full-Size Inch Set, 11 pc.	5/64 thru 3/8"	46.00	36.80
289-637	Full-Size Inch Set, 13 pc.	.050 thru 3/8"	41.95	33.56
289-502	Mini-Inch Set, 8 pc.	.050 thru 5/32"	17.50	14.00
289-733*	Full-Size Metric Set, 8 pc.	2.0 thru 10mm	37.75	30.20
289-009	Full-Size Metric Set, 9 pc.	1.5 thru 10mm	33.00	26.40
289-504	Mini-Metric Set, 7 pc.	1.27 thru 5mm	16.75	13.40

*Longer length

Individual Balldrivers

Cat. No.	Size	Length	Each 1-5	6-11
289-602	.050"	3.2"	$1.75	$1.58
289-603	1/16"	3.3"	1.95	1.75
289-604	5/64"	3.5"	2.25	2.02
289-605	3/32"	3.7"	2.25	2.02
289-606	7/64"	2.9"	2.25	2.02
289-607	1/8"	3.1"	2.25	2.02
289-608	9/64"	3.3"	2.25	2.02
289-609	5/32"	3.5"	2.50	2.25
289-610	3/16"	3.8"	3.25	2.92
289-650	1.5mm	3.4"	2.25	2.02
289-652	2.0mm	3.5"	2.25	2.02
289-654	2.5mm	3.9"	2.25	2.02
289-656	3.0mm	3.3"	2.25	2.02
289-660	4.0mm	3.8"	2.75	2.48

BONDHUS

Inch or Metric Bonus Packs

- Choose inch or metric
- Save over individual sets

Our most popular Balldriver L-Wrench sets are now offered with Gorilla Grip fold-up hex key sets.

Inch Bonus Pack contains 13 Balldriver L-keys from .050 to 3/8" and a 9 piece standard hex Gorilla Grip set from 5/64 to 1/4".



Metric Bonus Pack contains nine metric Balldriver L-keys from 1.5 to 10mm and a 7 piece standard hex Gorilla Grip set from 2 to 8mm. (USA)

Cat. No.	Description	Each 1-5	6-11
289-189	Inch Bonus Pack	$19.00	$17.10
289-187	Metric Bonus Pack	17.50	15.75

BONDHUS

T-Handle Balldrivers



- Extra long 8.5 to 11"
- Inch or metric

Cushioned grips on welded T-handles.

289-146 has 5/32, 3/16, 7/32, 1/4, 5/16, 3/8";
289-147 has 3/32, 7/64, 1/8, 9/64 (not ball end), 5/32, 3/16, 7/32, 1/4, 5/16, 3/8";
289-148 has 4, 5, 6, 8, 10mm;
289-149 has 2.5, 3, (not ball end), 4, 5, 6, 8, 10mm sizes. (USA)

Cat. No.	Description	Size/Range	Each 1-5	6-11
289-146	Inch T-Handle Set, 6 pc.	5/32-3/8"	$31.50	$28.35
289-147	Inch T-Handle Set, 10 pc.	3/32-3/8"	42.50	38.25
289-148	Metric T-Handle Set, 5 pc.	4-10mm	27.00	24.30
289-149	Metric T-Handle Set, 7 pc.	2.5-10mm	34.00	30.60


289-632


289-589


289-550

BONDHUS

Gorilla Grip™ Fold-Up Key Sets

Compact fold-up key sets feature durable composite handles, color coded for easy identification. Precision fit chamfered ends. Blades constructed of high-torque 8650 industrial steel. (USA)

Cat. No	Description	Size	Each 1-5	6-11
289-589	Inch Hex Key Set, 9 pc.	5/64-1/4"	$5.50	$4.95
289-591	Inch Hex Key Set, 9 pc.	0.050-3/16"	4.50	4.05
289-592	Metric Hex Key Set, 7 pc.	1.5-6mm	4.50	4.05
289-632	Torx Key Set, 8 pc.	T6-T25	10.75	9.68
289-550	Inch/Metric Hex Set, 12 pc.	5/64-5/32", 1.5-5mm	7.75	6.97



Pocket Sockets

Eight popular size nutdrivers in two tools. Handle is 3" long.
958-401 has sizes 1/4, 5/16, 3/8 and 7/16" nutdrivers.
958-402 has sizes 3/16, 7/32, 9/32, and 11/32" nutdrivers. (USA)

Cat. No.	Description	Size Range	Each 1-5	6-11
958-401	Pocket Socket	1/4 - 7/16"	$15.50	$13.95
958-402	Pocket Socket	3/32 - 11/32"	15.50	13.95

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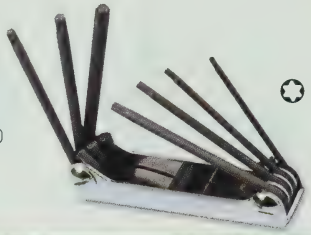
Standard L-Hex Key Sets



- Available in short and long arm sets
- Choose inch or metric
- Convenient molded holders keep keys together. (USA)

Cat. No.	Description	# Keys	Size	Each 1-5	6-11
370-113	L-Key Set, Inch, Short Arm	13	.050-3/8"	$6.00	$5.40
370-013	L-Key Set, Inch, Long Arm	13	.050-3/8"	8.75	7.88
370-509	L-Key Set, Metric, Short Arm	9	1.5-10mm	6.75	6.08
370-009	L-Key Set, Metric, Long Arm	9	1.5-10mm	8.50	7.65

Fold-Up Torx Key Sets



370-571 contains 8 keys: T9, T10, T15, T20, T25, T27, T30 and T40. (USA)

370-572 contains 7 keys: T6, T7, T8, T9, T10, T15 and T20. (USA)

Cat. No.	Description	# Keys	Each 1-5	6-11
370-571	Fold-Up Torx Key Set, Large	8	$9.95	$8.96
370-572	Fold-Up Torx Key Set, Small	7	10.95	9.86

Hex and Spline Key Sets



- Inch or metric

79-050 has ten short arm hex keys: .028 to 5/32".

158-028 has seven short arm metric keys: 2 to 8mm.

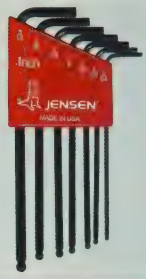
79-055 contains ten spline keys: .033-4, .048-4, .048-6, .060-6, .069-4, .072-6, .076-4, .096-6, .111-6, .113-6.

60-028 contains 12 hex keys: .050, 1/16, 5/64, 3/32, 1/8, 5/32"; spline keys: .060-6, .069-4, .076-4, .096-6, .111-6, .145-6.

Cat. No.	Description	# Keys	Each 1-4	5-11
79-050	Hex Key Inch Set	10	$2.75	$2.20
158-028	Hex Key Metric Set	7	5.95	4.76
79-055	Spline Key Set	10	8.95	7.16
60-028	Hex/Spline Key Set	12	10.50	8.40

JENSEN® Lifetime Guarantee

L-Ball End Hex Key Sets



- Choose inch or metric
- Convenient molded holders keep keys together. (USA)

Cat. No.	Description	# Keys	Size	Each 1-5	6-11
370-297	L-Ball End Hex Key Set, Inch	7	5/64-3/16"	$6.25	$5.63
370-211	L-Ball End Hex Key Set, Inch	11	.050-1/4"	9.00	8.10
370-212	L-Ball End Hex Key Set, Inch	12	.050-5/16"	11.50	10.35
370-213	L-Ball End Hex Key Set, Inch	13	.050-3/8"	14.50	13.05
370-607	L-Ball End Hex Key Set, Metric	7	1.5-6mm	6.25	5.63
370-609	L-Ball End Hex Key Set, Metric	9	1.5-10mm	11.50	10.35

Buy Inch/Metric Combo Packs and SAVE!

Cat. No.	Description	# Keys	Each 1-5	6-11
370-218	Small Combo Sets (See 370-211 & 370-607 above)	18	$14.95	$13.46
370-222	Large Combo Sets (See 370-213 & 370-609 above)	22	24.95	22.45

Individual Ball End "L" Wrenches

Cat. No.	Size	Length	Each
Inch			
289-802	.050"	2.8"	$1.75
289-803	1/16"	3.0"	1.75
289-804	5/64"	3.2"	1.75
289-805	3/32"	3.4"	1.75
289-806	7/64"	3.6"	1.75
289-807	1/8"	3.8"	2.00
289-808	9/64"	3.9"	2.00
289-809	5/32"	4.1"	2.00
289-810	3/16"	4.5"	2.25
289-811	7/32"	4.8"	2.25
289-812	1/4"	5.2"	2.25
289-813	5/16"	6.0"	2.75
289-814	3/8"	6.8"	2.75
Metric			
289-849	1.27mm	2.8"	$1.75
289-850	1.5mm	3.0"	1.75
289-852	2.0mm	3.2"	1.75
289-854	2.5mm	3.5"	1.75
289-856	3.0mm	3.9"	2.00
289-860	4.0mm	4.3"	2.00
289-864	5.0mm	5.0"	2.25
289-868	6.0mm	5.4"	2.25
289-872	8.0mm	6.2"	2.75
289-876	10.0mm	6.6"	2.75

ALLEN Hex Key Sets

- Inch & metric
- Long & short arm

Precise hexagon tolerances and chamfered ends for secure fit. Size marked on each wrench. Sets supplied in metal indexed boxes. (USA)

Cat. No.	Description	Each
527-675	Long Arm Hex Key Set, 1/16 - 1/2", 13 pc.	$17.25
527-028	Short Arm Hex Key Set, .028 - 3/8", 15 pc.	18.95
527-175	Long Arm Hex Key Set, 1.5 - 12mm, 10 pc.	17.25
527-038	Short Arm Hex Key Set, 07 - 10mm, 12 pc.	21.50



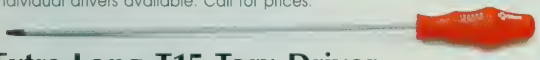
Miniature Torx Electronic Screwdriver Set



Recommended for use on miniature fasteners found on today's electronic equipment. Features small, slim handle of black cellulose acetate with swivel top for quick and easy fastening action. Chrome plated blades with black oxide tips. Includes T5, T6, T7, T8, T9, T10 and T15 drivers. (Germany)

Cat. No.	Description	Each 1-5	6-11
289-508	Torx Screwdriver Set, 7 pc.	$39.95	$35.95

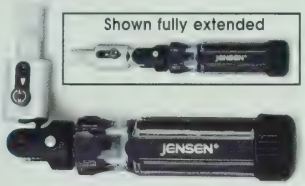
Individual drivers available. Call for prices.



Extra-Long T15 Torx Driver

Extra long 12" blade reaches into hard-to-get-at areas. Overall length 15". (Germany)

Cat. No.	Description	Each 1-5	6-11
497-188	T15 Torx Driver, Extra-Long	$12.95	$11.65

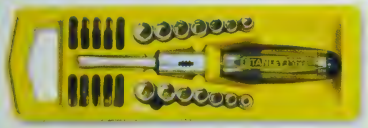


JENSEN Lifetime Guarantee

Ratchet Screwdriver

Unique ratchet screwdriver can be used in-line or bend 90° for extra torque. Comes with four bits: Phillips #1 and #2; slotted 3/16 and 1/4"; and one 1/4" hex to 1/4" square adapter. Bit storage in handle. (USA)

Cat. No.	Description	Each 1-5	6-11
118-004	Ratchet Screwdriver	$14.50	$13.05



STANLEY

26-Piece Ratchet Screwdriver Kit

➥ Several drivers in one set

Features famous Workmaster ratchet screwdriver with 3-position drive: forward, reverse, lock. Comfortable triangular shaped handle for maximum comfort and torque. Has storage compartment to hold up to 8 bits. Kit includes: driver plus slotted bits 3/16, 1/4, 9/32"; Phillips bits #1 and #2; Torx bits T10, 15, 20, 25, 30; 1/4" drive socket adapter; 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2" sockets; 6, 7, 8, 9, 10, 11, 12mm metric sockets; handy storage case.

Cat. No.	Description	Each 1-5	6-11
185-754	Ratchet Screwdriver Kit, 26 pc.	$35.00	$31.50

JENSEN Lifetime Guarantee



1/4" Hex Driver Handle

➥ 4" blade length (USA)

Cat. No.	Description	Each 1-5	6-11
945-014	Magnetic Driver w/o Bits	$6.95	$6.25



JENSEN Lifetime Guarantee

Tamper-Proof Torx Screwdrivers

These drivers feature the unique hole in the end to accommodate tamper-proof Torx fasteners. Fits either standard or tamper-proof Torx fasteners. (USA)

Cat. No.	Description	Size	Blade Length	Each 1-5	6-11
1-029	Tamper-Proof Torx Driver Set, 7 pc.	–	–	$34.95	$31.45
945-560	Tamper-Proof Torx Driver	TT7	2 7/8"	5.50	4.95
945-559	Tamper-Proof Torx Driver	TT8	2 7/8"	5.50	4.95
945-558	Tamper-Proof Torx Driver	TT9	2 7/8"	5.50	4.95
945-557	Tamper-Proof Torx Driver	TT10	3"	5.50	4.95
945-556	Tamper-Proof Torx Driver	TT15	3 1/8"	5.50	4.95
945-555	Tamper-Proof Torx Driver	TT20	3 1/4"	5.50	4.95
945-550	Tamper-Proof Torx Driver	TT25	3 3/4"	5.50	4.95



945-400 945-401

JENSEN Lifetime Guarantee

Magnetic 5-in-1 Torx Drivers

➥ Tamper-proof/standard ➥ 3 1/2" blade length

Provides everything you need in one handy tool to tackle most Torx applications. Extra bits store in handle. Comfortable fluted handle with tempered shaft, magnetized to hold both the bit and screw for faster, easier fastening. Overall length 7 1/2". **945-400** comes with T7, T8, T9, T10 and T15 bits. **945-401** has tamper-proof bits in same sizes. (USA)

Cat. No.	Description	Each 1-5	6-11
945-400	Magnetic 5-in-1 Torx Driver	$12.95	$11.65
945-401	Magnetic 5-in-1 Tamper-Proof Torx Driver	19.95	17.95

JENSEN Lifetime Guarantee



Offset Ratchet Drivers

Compact offset ratchet screwdrivers allow tightening and loosening fasteners in the most restricted spaces. **185-033** has two slotted blades, 1/4 x .035" and 3/8 x .050". **185-412** has Phillips #1 and #2 blades. **185-035** has slotted blade, 1/4 x .035", one side and Phillips #2 on other side. Blades are alloy steel, hardened and tempered. (USA)

Cat. No.	Description	Each 1-5	6-11
185-033	Slotted Ratchet Driver	$6.20	$5.58
185-412	Phillips Ratchet Driver	8.50	7.65
185-035	Slotted/Phillips Ratchet Driver	7.95	7.16



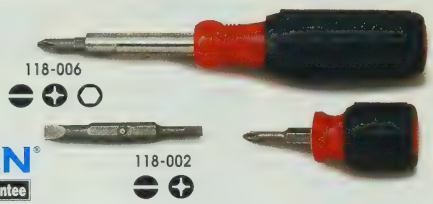
4-Way Pocket Screwdriver

➥ Ideal PC tool

Aluminum body screwdriver with two double ended bits, Phillips #1 slotted 5/32" and Torx T10/T15. 5 3/8" overall length. (USA)

Cat. No.	Description	Each 1-5	6-11
118-101	4-Way Pocket Screwdriver	$6.50	$5.85

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JENSEN® Lifetime Guarantee

Cushion Grip 6-in-1 & 2-in-1 Screwdrivers

6-in-1 Driver has two reversible bits: Phillips #1 and #2, slotted 3/16" and 1/4". Shaft serves as 1/4 and 5/16" nutdriver.

2-in-1 Driver has one reversible bit: Phillips #1 and slotted 3/16". (USA)

Cat. No.	Description	Each 1-5	6-11
118-006	Cushion Grip 6-in-1 Screwdriver, 8"	$8.50	$7.65
118-002	Cushion Grip 2-in-1 Screwdriver, 3" Stubby	3.95	3.56

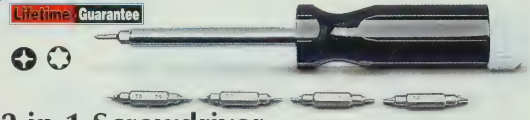


5-in-1 Magnetic Drivers

JENSEN® Lifetime Guarantee

Powerful stainless steel magnetic power-tip holds bits and screws securely. Large, comfortable handle stores extra bits. Includes: Phillips #1 and #2, slotted 5-7 and 8-10, Torx T15. (USA)

Cat. No.	Description	Each 1-5	6-11
945-744	5-in-1 Magnetic Driver w/Bits, 12"	$10.50	$9.45
945-722	5-in-1 Magnetic Driver w/Bits, 8"	8.50	7.65
945-740	5-in-1 Magnetic Stubby w/Bits, 3"	7.25	6.53



JENSEN® Lifetime Guarantee

12-in-1 Screwdriver

Extra large 4" handle with ample storage space for the six double-ended bits supplied. There are eight 1/4" Torx drivers: T3/T4, T5/T6, T7/T8 and T10/T15; two Phillips: #0/#1, and two Japanese cross-point drivers: #0/#1. (USA)

Cat. No.	Description	Each 1-5	6-11
720-390	12-in-1 Screwdriver, 9"	$24.95	$22.45



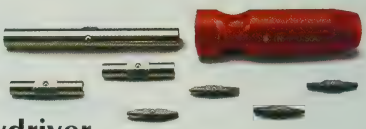
JENSEN® Lifetime Guarantee

10-in-1 Security Screwdriver

Contains the following 1/4" hex bits which store in the driver handle: Tamper Torx, TT15/TT20; Phillips #0, #1, #2; slotted 1/8, 3/16, 1/4"; tamper hex 5/32" and a #4 Line Head. (USA)

Cat. No.	Description	Each 1-5	6-11
720-593	10-in-1 Security Screwdriver, 9"	$25.95	$23.36

Crescent®



8-in-1 Screwdriver

Reversible shaft and reversible bit combinations provide multiple fastening options in one driver. Includes: Phillips #1, #2; slotted 3/16, 1/4"; Torx T15, T20 and nutdrivers 1/4, 5/16". (USA)

Cat. No.	Description	Each 1-5	6-11
3-873	8-in-1 Screwdriver, 7 1/2"	$9.50	$8.55



6-in-1 Screwdriver/Magnet

- Magnet lifts over 1/2 lb.
- Telescopes to 23"



Unique patented design allows dropped fasteners to be rescued from the most difficult spots. Rubberized Quadra Drive™ handle delivers up to 4X the torque of conventional drivers. Complete with removable bit organizer. Includes six 1" bits: Phillips #1, #2; slotted 3/16, 1/4"; Torx T-15, T-20. Lifetime warranty.

Cat. No.	Description	Each 1-5	6-11
606-829	6-in-1 Screwdriver/Magnet	$10.50	$9.45



6-in-1 Viper Driver™

- A handy tool for hard to reach areas
- Lifetime warranty



Snake driver has a unique, extendible 7" flexible locking shaft to access fasteners in hard to reach areas. Bits store conveniently on base of shaft. Includes six 1" bits: #1, #2 Phillips; 3/16, 1/4" slotted; Torx T-15, T-20.

Cat. No.	Description	Each 1-5	6-11
606-831	6-in-1 Viper Driver	$13.50	$12.15



10-in-1 Security Screwdriver

- Non-magnetic bit retention
- Safe to use around magnetic media
- Removes most common security screws
- Torx®, Tamper Torx, Security Hex

JENSEN® Lifetime Guarantee

Two sizes available: 8 and 12" overall length. Contains the following bits, 5/32" security hex, T5 and T6 Torx, TT7, TT8, TT9, TT10, TT15, TT20 and TT25 Tamper Torx. (USA)

Cat. No	Description	Each 1-5	6-11
118-011	10-in-1 Security Driver, 12"	$21.95	$19.75
118-010	10-in-1 Security Driver, 8"	19.95	17.95

Tool Tip



1" Length 1/4" Hex Drive Bit Sets



Cat. No.	Description	Sizes	Each 1-5	6-11
945-388	Phillips/Slotted Set, 8 pc.	Phillips #0, #1, #2, #3; Slotted 3/16, 7/32, 1/4, 9/64"	$5.25	$4.72
945-390	Hex Set, 6 pc.	1/16, 5/64, 3/32, 7/64, 1/8, 9/64"	8.25	7.42
289-336	Hex Set, Inch, Ball-end, 12 pc.	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	25.95	23.36
289-099	Hex Set, Metric, Ball-end, 9 pc.	2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10, 12mm	22.84	20.66
118-202	Tamper-Torx Set, 7 pc.	TT7, TT8, TT9, TT10, TT15, TT20, TT25	18.95	17.06
945-700	Tamper-Torx Set, 7 pc.	TT10, TT15, TT20, TT25, TT27, TT30, TT40	18.95	17.06
945-389	Torx Set, 7 pc.	T7-T10, T15, T20, T25	10.50	9.45
647-459	Internal Linehead Set, 5 pc.	ALR2, ALR3, ALR4, ALR5, ALR6	35.00	31.50
647-555	External Linehead Set, 5 pc.	ALH2, ALH3, ALH4, ALH5, ALH6	32.00	28.80
647-647	Tamper Resistant Linehead Set, 4 pc.	ALR3T, ALR4T, ALR5T, ALR6T	34.00	30.60
660-490	Clutch-Head Set, 4 pc.	3/32, 1/8, 5/32, 3/16"	6.25	5.63
660-115	Pozi-Driv Set, 4 pc.	#0, #1, #2, #3	4.75	4.28
660-945	Security Phillips Set, 4 pc.	#1, #2, #3, #4	14.50	13.05
660-103	Robertson (Square) Set, 6 pc.	R1, R2, R3 (2 each)	6.25	5.63
660-288	Torq-Set Set, 6 pc.	#3, #4, #5, #6, #8, #10	13.95	12.56
660-264	Spanner Set, 5 pc.	#4, #6, #8, #10, #12	15.75	14.18

Torx, is a trademark of Camcar Textron
Torq-Set, Tri-Wing, Pozi-Driv and Phillips are trademarks of Phillips Screw Co.
Robertson is a trademark of Robertson Screw Co.

2" Length 1/4" Hex Drive Bit Sets



Cat. No.	Description	Sizes	Each 1-5	6-11
945-373	Phillips/Slotted Set, 6 pc.	Phillips #1, #2, #3; Slotted 1/8, 5/32, 1/4"	$6.95	$6.25
289-836	Hex Set, Inch, Ball-end, 12 pc.	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	30.95	27.86
289-899	Hex Set, Metric, Ball-end, 9 pc.	2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10, 12mm	26.50	23.85
660-230	Security Hex Set, 10 pc.	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16"	25.50	22.95
660-283	Tri-Wing Set, 4 pc.	#1, #2, #3, #4	8.75	7.88
660-270	Spanner Set, 4 pc.	#4, #6, #8, #10	11.95	10.76



Extra Long Torx Power Bits

➥ 1/4" inch hex drive

3 1/2" Long Torx Bits				6" Long Torx Bits		
Cat. No.	Each 1-5	6-11	Size	Cat. No.	Each 1-5	6-11
12-571	$5.50	$4.95	T10	12-586	$7.50	$6.75
12-573	5.50	4.95	T15	12-587	7.50	6.75
12-575	5.50	4.95	T20	12-588	7.50	6.75
12-577	5.50	4.95	T25	12-589	7.50	6.75



JENSEN® 1/4" Hex Driver Handle

Lifetime Guarantee

➥ 4" blade length (USA)

Cat. No.	Description	Each 1-5	6-11
945-014	Magnetic Driver without Bits	$6.95	$6.25



Security 1/4" Hex Drive Bit Set

➥ 2" long security type bits
➥ Use manually or with cordless tools

The set includes 7 1/2" flexible extension for cordless screwdrivers and drills, spanner bits #8 and #10, security Torx bits TT15 and TT20, security hex bits 5/64" and 7/64" security tri-wing bits #2 and #3, and a magnetic bit holder.

Cat. No.	Description	Each 1-5	6-11
660-002	Security Flex-A-Bit Set, 11 pc.	$31.75	$28.57

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

39-Piece Screwdriver Bit Sets

JENSEN® Lifetime Guarantee

➥ 1/4" hex shank ➥ Inch/metric ➥ Includes fitted case

Inch Set includes the following styles and sizes: Phillips #1, #2 , #3 and reduced #2; slotted 3-4, 6-8, 8-10,10-12; square recess 0, 1, 2, 3; spanner #4-6-8-10; Torx T8, T9, T10, T15, T20, T25, T27, T30, T40; hex 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; and a 2 1/2" bit holder.

Inch/Metric Set includes the following: Phillips #0, #1, #2, #2 reduced; slotted 1/8, 3/16, 1/4"; hex 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"; security hex 5/32; hex 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0; square #1, 2; Posi-drive #1, 2; Torx T5, T6; Tamper-Torx TT7, TT8, TT9, TT10, TT15, TT20, TT25; square adapter 1/4" hex to 1/4", and a 2 1/2" bit holder. (USA)



Cat. No.	Description	Each 1-5	6-11
403-156	Bit Set, Inch, 39 pc.	$34.95	$31.45
118-039	Bit Set, Inch/Metric, 39 pc.	39.95	35.95
945-014	Magnetic Screwdriver (see page 209)	6.95	6.25
945-140	Bit Holder, 2 1/2"	4.95	4.46
907-037	Plastic Case only	1.95	1.75



Ratcheting Screwdrivers

JENSEN® Lifetime Guarantee

118-300: Magnetic ratcheting screwdriver features bit storage in handle. Reversible ratchet mechanism changes direction with the turn of a knob. Includes Phillips #1 and #2 and slotted bits 3/16 and 1/4". Accepts all 1/4" hex drive bits. (USA)

118-301: 4-in-1 reversible ratchet screwdriver complete with two double-ended reversible bits: slotted 3/16 and 1/4" and Phillips #1 and #2. Ratcheting mechanism reverses with twist of knob. (USA)

Cat. No.	Description	Each 1-5	6-11
118-300	Magnetic Ratcheting Screwdriver	$10.50	$9.45
118-301	4-in-1 Reversible Ratcheting Screwdriver	15.00	13.50



10-Piece, 1/4" Torx®/Tamper Torx Bits-Selectors

12-245
12-247

The popular Bits-Selector is now available for both Torx and Tamper-Proof Torx. 12-245 or 12-247 are held in a compact, lightweight and durable sliding drawer holder. (Germany)

Cat. No.	Description	Each 1-5	6-11
12-245	T7-T40, Bits-Selector Torx Bits, 10 pc.	$17.95	$16.16
12-247	TT7-TT40, Bits-Selector Tamper-Proof Torx Bits, 10 pc.	24.95	22.45



JENSEN® Lifetime Guarantee

35-Piece Fix-It-All Kit

➥ Features multi-positioning ratchet screwdriver
➥ 1/4" bits meet or exceed U.S. Government specs

Kit includes multi-positioning ratchet screwdriver with storage handle, 1/4" magnetic bit holder, 1/4" square and hex male adapter, six hex bits 3/32, 1/8, 5/32, 3/16, 7/32, 1/4"; seven Torx bits T8, 10, 15, 20, 25, 27, 30; three slotted bits 1/8, 3/16, 1/4"; three Phillips bits #1, 2, 3; nine sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"; plastic carry case. (USA)

Cat. No.	Description	Each 1-5	6-11
118-655	Fix-It-All Kit, 35 pc.	$41.95	$37.76





42-Piece Skewdriver™ Offset Driver Pro Kit

➥ Now includes 40 bits, same low price

Allows installing and removing fasteners in difficult-to-access areas. Removable handle can be used with offset head or with magnetic extension(s) as a standard screwdriver. Includes driver handle, offset head, 4 1/2" and 1 1/2" magnetic extensions; 1/4-hex to 1/4-square drive adapter; Phillips #0, 1, 2, 3; slotted 1/8, 3/16, 1/4, 9/32"; Torx T8, T9, T10, T15, T20, T25, T27, T30; Robertson (square) #0, 1, 2, 3; Allen hex 5/64, 7/64, 3/32, 1/8, 9/64, 5/32, 3/16", 2, 2.5, 3, 5mm; Skew sockets 3/16"/5mm, 7/32"/5.5mm, 6mm, 1/4", 9/32"/7mm, 5/16"/8mm, 3/8", 10mm. (USA)

Cat No.	Description	Each 1-5	6-11
690-542	Skewdriver Pro Kit, 42 pc.	$45.00	$40.50

JENSEN Lifetime Guarantee



30-Piece Do-It-All Kit

This comprehensive kit will work with almost every type of fastener. Includes an 8" magnetic driver with cushion grip handle and the following bits: Phillips #0, #1, #2, #3; slotted 0-1, 3-4, 5-6, 8-10, 12; Allen hex 5/64, 3/32, 7/64, 1/8, 9/64"; square recess 0, 1, 2, 3; Torx T10, 15, 20, 25, 30, 40; Pozidrive® #1, #2. Also included are a 1/4" drive socket adapter and a 3 x 1/4" bit holder for use with power tools. Protective case with snap close cover. (USA)

Cat No.	Description	Each 1-5	6-11
555-486	Do-It-All Kit, 30 pc.	$29.95	$26.95

JENSEN Lifetime Guarantee



30-Piece Security Screwdriver Kit

- Torx®, security Torx, security hex, Line Head®, spanners
- Cushion grip 1/4" hex magnetic driver

Contains 26 of the most common security bits, driver, plus bit extension (non-magnetic), 1/4" hex to 1/4" square adapter and a molded plastic case. Torx bits T5, T6; Security Torx bits TT7, TT8, TT9, TT10, TT15, TT20, TT25, TT30; Security Hex bits 2.5mm, 3mm, 4mm, 5mm, 6mm, 3/32, 1/8, 9/64, 5/32, 3/16, 7/32"; Spanner bits #4, #6, #8, #10; Line Head bit #4T. (USA)

Cat No.	Description	Each 1-5	6-11
118-030	Security Screwdriver Kit, 30 pc.	$59.00	$53.10

1/4" Hex Drive Ratchet Sets

- Ideal for working in confined space
- Comprehensive selection

Features high-quality stainless steel miniature ratchet wrench with short 18° arc for working in close quarters. Reverse action by simply turning ratchet over. Sets include ratchet wrench, screwdriver handle, 3 1/2" extension, plus assorted bits as described below. (USA)

20-Piece Standard Set: contains twelve hex bits from .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; two slotted bits 1/4 and 3/8"; two Phillips drivers, #1 and #2; one 1/4" square adapter plus drivers in a molded case.

27-Piece Standard Set: contains twelve hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; five spline bits .060, .072 , .096, 111, .145"; four slotted bits 3/16, 7/32, 1/4, 3/8"; two Phillips bits, #1 and #2; 1/4" square adapter plus drivers in a molded case.

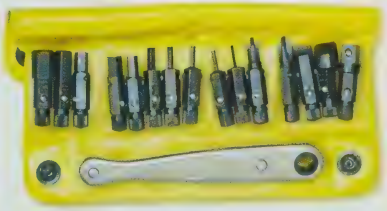
27-Piece Standard/Metric Set: contains twelve hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"; six metric hex bits 1.5, 2, 2.5, 3, 4, 5, 6mm; three slotted bits 3/16, 1/4, 3/8"; two Phillips bits #1 and #2; 1/4" square adapter plus drivers in a molded case.

16-Piece Ratchet Set: contains stainless steel midget ratchet, 3 3/4" long; 1/4 and 3/8" slotted head drivers; #1 and #2 Phillips head drivers; 1/4" hex to square drive adapter; and ten Allen hex drivers .050 to 5/16" in softpack pouch.

THE Chapman mfg. company



90-200



90-316

Cat. No.	Description	Each 1-5	6-11
90-200	Standard Ratchet Set, 20 pc.	$29.00	$26.10
90-341	Standard Ratchet Set, 27 pc.	34.00	30.60
90-331	Standard/Metric Ratchet Set, 27 pc.	34.00	30.60
90-316	Ratchet Set, 16 pc.	17.50	15.75

Mini Ratchet Sets

DURHAM

- Lifetime factory warranty on ratchets
- Short 12° ratcheting action

Spine drive ratchet produces 400 lbs. of torque to drive or remove fasteners in confined spaces. All parts are torque tested to the Fasteners Institute rigid quality standards. All sets include rugged storage box, 4 7/8 x 2 7/8 x 1 1/4". (USA)

44-Piece Set: contains a 4 9/16" ratchet and extension; 3 3/4" handle; spinner knob and bit cap; 3 bit caddies; Phillips bits: #0, #1, #2, #3, #4; one Reed and Prince bit; slotted bits: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"; inch hex bits: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; metric bits: 1.5, 2, 2.5, 3, 4, 5, 6, 8mm; and a 1/4" socket adapter.

50-Piece Set: adds Torx® bits T10, T15, T20, T25, T27, T30.



896-003

Cat. No.	Description	Each 1-5	6-11
896-003	Mini Ratchet Set, 44 pc.	$74.00	$66.60
896-004	Mini Ratchet Set, 50 pc.	79.00	71.10

Quality C.K insulated tools conform to IEC900, ASTM1505-94, DIN EN6090 and German VDE Standards. Individually tested at 10KV for use up to 1000V

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
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1/2" Drive Insulated Ratchet & Sockets



Double insulated, red over yellow. Constructed of high-quality chrome-vanadium steel with chrome plating. **Sockets** are 6-point style. **Ratchet** features push-button socket release. **Socket Extension** features locking mechanism to provide firm connection between extension and socket. (Germany)

Cat. No.	Description	Size	Each
194-400	1/2" Drive Insulated Socket	3/8"	$18.50
194-401	1/2" Drive Insulated Socket	7/16"	18.50
194-402	1/2" Drive Insulated Socket	1/2"	18.50
194-403	1/2" Drive Insulated Socket	9/16"	18.50
194-404	1/2" Drive Insulated Socket	5/8"	18.75
194-405	1/2" Drive Insulated Socket	11/16"	18.75
194-406	1/2" Drive Insulated Socket	3/4"	19.00
194-407	1/2" Drive Insulated Socket	7/8"	21.00
194-408	1/2" Drive Insulated Socket	15/16"	21.00
194-409	1/2" Drive Insulated Socket	1"	22.00
194-475	1/2" Drive Insulated Socket, Metric	10mm	18.50
194-476	1/2" Drive Insulated Socket, Metric	11mm	18.50
194-477	1/2" Drive Insulated Socket, Metric	12mm	18.50
194-478	1/2" Drive Insulated Socket, Metric	13mm	18.50
194-479	1/2" Drive Insulated Socket, Metric	14mm	18.75
194-480	1/2" Drive Insulated Socket, Metric	17mm	18.95
194-481	1/2" Drive Insulated Socket, Metric	19mm	18.95
194-482	1/2" Drive Insulated Socket, Metric	21mm	20.95
194-4830	1/2" Drive Insulated Socket, Metric	22mm	20.95
194-484	1/2" Drive Insulated Socket, Metric	24mm	21.75
194-430	1/2" Drive Insulated Ratchet	10 1/2" Long	149.00
194-434	1/2" Drive Socket Extension	5" Long	53.25

Insulated Wrenches



Double insulated handle, red over yellow. Single insulation, red, over tool head only. Chrome-plated chrome-vanadium steel construction. Box wrenches are 12-point style. (Germany)

Box End Cat. No.	Each	Size	Open End Cat. No.	Each
194-410	$23.75	3/8"	194-420	$19.25
194-411	23.75	7/16"	194-421	19.25
194-412	24.75	1/2"	194-422	21.25
194-413	27.50	9/16"	194-423	23.50
194-414	33.75	5/8"	194-424	25.25
194-415	33.75	11/16"	194-425	25.25
194-416	36.50	3/4"	194-426	26.50
194-417	41.25	7/8"	194-427	29.50
194-418	45.00	15/16"	194-428	33.75
194-419	46.75	1"	194-429	33.75
194-485	23.75	10mm	194-495	19.25
194-486	23.75	11mm	194-496	19.25
194-487	24.75	12mm	194-497	20.75
194-488	24.75	13mm	194-498	21.25
194-489	28.75	14mm	194-499	23.50
194-490	33.75	17mm	194-500	25.95
194-491	36.50	19mm	194-501	26.50
194-492	41.25	21mm	194-502	26.60
194-493	41.25	22mm	194-503	29.50
194-494	46.75	24mm	194-504	33.75

Insulated Screwdriver Set



Insulation is injection molded onto the high grade vanadium steel blade and permanently attached to the shock-resistant plastic handle. Set contains four slotted drivers: 1/8 x 3", 1/8 x 4", 3/16 x 5", 1/4 x 6", and three Phillips drivers: #0 x 2 1/2", #1 x 3", #2 x 4". (Germany)

Cat. No.	Description	Each
945-800	Insulated Screwdriver Set, 7 pc.	$49.00

Insulated Electrician's Pliers



194-669 194-665 194-666

➥ Insulation molded & anchored to handles

Forged from chrome vanadium and high carbon steel. (Germany)

Cat. No.	Description	Length	Each
194-669	Long Nose Pliers w/Cutter rated for 1.6mm Hard Wire	8"	$45.00
194-665	Lineman's Pliers w/Cutter rated for 1.6mm Hard Wire	8"	49.00
194-666	Diagonal Cutter rated for 1.8mm Piano Wire	7"	49.00

Insulated Cable Knives



194-970 features 1 3/4" long straight blade. **194-971** features 1 1/2" long hooked blade. Includes safety black cover. (Germany)

Cat. No.	Description	Length	Each
194-970	Insulated Cable Knife, Straight Blade	7"	$15.50
194-971	Insulated Cable Knife, Hooked Blade	7"	16.25

Insulated Utility (Waterpump) Pliers



Constructed of hot-drop-forged chrome vanadium steel. Parallelogram-shaped jaws open 3/8-1 1/4" and have seven positions of adjustment. Box joint and steel rivet add strength, never need adjusting and is absolutely twist-proof. (Germany)

Cat. No.	Description	Length	Each
194-979	Insulated Utility Pliers	10"	$48.00

Safety Note: Ensure power is turned off before working on equipment. Insulated tools are intended to protect against accidental contact with live circuits.

Cementex

Deluxe Insulated Maintenance Kit



- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

Comprehensive assortment of 29 insulated tools stored in a rugged, waterproof, polyethylene case. Die-cut foam protects tools and insures tool accountability. 15 x 6.25 x 19.75", 20 lbs. (USA)

29 Tools in all:
Screwdriver, Slotted (3) 9/64 x 2, 3/16 x 4 1/2", 1/4 x 6"
Screwdriver, Phillips (2) #1 x 3", #2 x 4"
Lineman's Pliers, 9"
Needle Nose Pliers, 8"
Diagonal Pliers, 7 1/2"
3/8" Drive Reversible Ratchet
3/8" Drive x 3" Extension
3/8" Drive x 6" Extension
8 piece 3/8" to 13/16" Deep Wall Socket set - 12 pt.
8 piece 3/8" to 3/16" Box End Wrench Set
3/8" Torque Wrench (5 - 150 inch lbs.)
Mini Flashlight

Cat. No.	Description	Kit Price 1-4	5-9
346-100	Deluxe Maintenance Kit	$1510.00	$1434.50



Cementex

Insulated Deep Wall Socket Set

- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

11 piece set includes a 3/8" Drive Reversible Ratchet, 3" and 6" extensions and eight deep wall sockets in sizes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 and 13/16". Tool pouch included. (USA)

Cat. No.	Description	Each 1-4	5-9
346-102	Insulated Socket Set	$332.00	$315.40

Insulated Nutdriver Set

Wiha®



Manufactured in accordance with IEC900, ASTM-1505-94, VDE, and DIN 7437. Individually tested to 10,000V and certified to 1000VAC or 1500VDC. Blades constructed of black finish chrome-vanadium steel. Insulation molded directly on blades for permanent bonding. 1" deep drawn sockets. Large comfortable impact resistant handles. Set includes 7/32, 1/4, 5/16, 3/8 and 1/2" sizes. (Germany)

Cat. No.	Description	Each 1-5	6-11
12-326	Insulated Nutdriver Set, 5 pc	$47.95	$43.16



Cementex

Telecommunications Tool Roll

- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

Tool assortment designed specifically for the communications and cable industries. Tool pouch included. (USA)

16 Tools in all:
Lineman's Pliers, 9"
Needle Nose Pliers, 6"
Slip Joint Pliers, 8"
Screwdriver, Slotted (4) 3/16 x 4 1/2" Cabinet, 1/4 x 4 1/2" Mechanics, 5/16 x 6" Mechanics, 3/8 x 10" Mechanics
Screwdriver, Phillips #2 x 4"
3/8" Drive Reversible Ratchet
3/8" Drive 3" Extension
3/8" Drive Sockets (4) 3/8, 7/16, 1/2, 9/16"
3/8" Drive Deep Wall Socket 5/8"
3/8" Drive Torque Wrench (5-150 inch lbs.)

Cat. No.	Description	Each 1-4	5-9
346-101	Telecommunications Tool Roll	$705.00	$669.75

Insulated Tool Set

C.K

- Top quality construction



Insulation is permanently affixed to tools. Chrome vanadium steel set contains 7" side cutter, 8" long nose pliers, 6 1/2" long nose pliers, 8" lineman's pliers, seven slotted screwdrivers: 7/64 x 3", 5/32 x 4", 7/32 x 5", 1/4 x 6" and three Phillips: #0 x 2 1/4", #1 x 3" and #2 x 4". Zipper storage case. (Germany)

Cat. No.	Description	Each 1-5	6-11
194-675	Insulated Tool Set, 11 pc.	$249.00	$224.10



HotRod™ Professional Safety Screwdriver

Detects the presence of voltage with flashing red LED lamp in handle. Double-insulated blade for circuit protection in electrical work. Voltage protected for use up to 600V. 6 x 1/4" cabinet blade. Two AAA size batteries included. Five year manufacturer's warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
427-001	HotRod Professional Safety Screwdriver	$29.95	$26.95

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Cementex

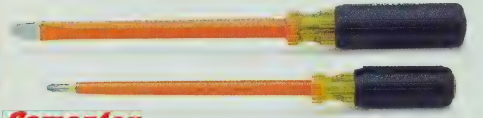
Insulated Adjustable Wrenches and Pliers

- Individually Tested at 10KV for use up to 1000V
- Two-color Insulation
- Meets ASTM 1505-94 and IEC 900 Standards

(USA)

Cat. No.	Description	Length	Each
346-021	Insulated Adjustable Wrench*	6"	$39.00
346-006	Insulated Adjustable Wrench*	8"	40.00
346-005	Insulated Adjustable Wrench*	12"	62.00
346-023	Insulated Slip-Joint Pliers	8"	37.50
346-022	Insulated Needle Nose Pliers	6"	37.50

*Not 1000V rated due to the uninsulated working head.



Cementex

Insulated Screwdrivers and Nutdrivers

- Comfortable cushion-grip handles
- Individually Tested at 10KV for use up to 1000V
- Two-color Insulation
- Meets ASTM 1505-94 and IEC 900 Standards

Nutdrivers are color-coded for quick identification. 2 1/2" hollow shaft permits driving of nuts over long screws. (USA)

Cat. No.	Description	Size	Length	Each
346-024	Insulated Screwdriver, Slotted	7/32"	13/4"	$19.00
346-025	Insulated Screwdriver, Slotted	7/32"	31/4"	19.00
346-026	Insulated Screwdriver, Slotted	1/4"	41/2"	18.95
346-027	Insulated Screwdriver, Slotted	5/16"	6"	20.50
346-028	Insulated Screwdriver, Slotted	3/8"	8"	21.75
346-029	Insulated Screwdriver, Phillips	#1	3"	18.00
346-030	Insulated Screwdriver, Phillips	#2	11/2"	18.00
346-031	Insulated Screwdriver, Phillips	#2	4"	18.00
346-032	Insulated Screwdriver, Phillips	#2	8"	18.00
346-033	Insulated Nutdriver, Black	3/16"	–	17.75
346-034	Insulated Nutdriver, Red	1/4"	–	17.75
346-035	Insulated Nutdriver, Yellow	5/16"	–	17.75
346-036	Insulated Nutdriver, Green	11/32"	–	17.75
346-037	Insulated Nutdriver, Blue	3/8"	–	19.25
346-038	Insulated Nutdriver, Brown	7/16"	–	19.25
346-039	Insulated Nutdriver, Red	1/2"	–	20.50
346-043	Insulated Nutdriver, Orange	9/16"	–	22.00

Safety Note: Ensure power is turned off before working on equipment. Insulated tools are intended to protect against accidental contact with live circuits.

Cementex

Insulated Wire Stripper and Cutters



- Molded-in thumb-stops
- Individually Tested at 10KV for use up to 1000V
- Meets ASTM 1505-94 and IEC 900 Standards

346-040 strips 10-18AWG solid-conductor primary wire. Pliernose. **346-041** handles thick gauge wire. **346-042** cuts up to 4/0 aluminum and 2/0 soft copper cable. (USA)

Cat. No.	Description	Length	Each
346-040	Insulated Wire Stripper	6"	$33.50
346-041	Insulated Diagonal Cutters	6"	31.50
346-042	Insulated Cable Cutting Pliers	9 1/2"	54.00

XCELITE

Lead Cutting Shears



For flush-cutting of most leads. High carbon steel construction. Lightweight, thin profile. Cushion-grip handles. **406-411** has safety catch that retains cut off wire to prevent flying leads. **406-420** has 70° right angle blades for maximum visibility and cutting control.

Cat. No.	Description	Each
406-410	Regular Cutter	$7.25
406-411	Safety Cutter	8.50
406-420	70° Cutter	14.00

XCELITE

Shearcutter/Plier Set



Set contains two of the most popular pliers for electronic assembly and production. General purpose flush-cutter accommodates most leads. Needle-nose plier has serrated jaws and a thin profile and long reach to access tight spaces. Both feature quality carbon-steel construction and cushion grips.

Cat. No.	Description	Each
406-422	Shearcutter/Plier Set, 2 pc.	$19.50

VANTAGE™

Micro-Miniature Pliers



Ultra slim design (only 3/16 x 1/8" at hinge pin) allows use of these tools in the smallest spaces. Curved comfort-designed cushioned handles. Box joint construction. Smooth jaws. All stainless steel. Length 5".

Cat. No.	Description	Each 1-4	5-11
23-040	Pliers Set in Vinyl Wallet, 4 pc.	$31.00	$28.52
65-706	Offset Flat Nose Micro Pliers	7.95	6.36
65-703	Chain Nose Micro Pliers	7.95	6.36
65-705	Needle Nose Micro Pliers	7.95	6.36
65-704	Flat Nose Micro Pliers	7.95	6.36

JENSEN
Lifetime Guarantee

Pliers

You can count on long years of use with your Jensen brand hand tools. In fact, we back them for as long as you own them.

➥ Fine grain alloy steel ➥ Comfortable cushion grip handles
➥ Individually inspected and finished

Color-coded handles allow you to easily select the exact pliers you need quickly from your tool pouch, tool box or bench. But color-coding is only part of the story.

Jensen pliers are manufactured to the most stringent specifications to assure you of top performance on the job. Forged from fine grain alloy steel to exact size, shape and weight for smooth, easy operation. Gripping edges are accurately aligned to meet precisely and hold securely. Cutting edges are hardened, honed, hand finished and individually inspected. Handles are cushioned for working comfort.

Our Jensen pliers carry a **lifetime guarantee** in addition to our regular **30-day satisfaction guarantee.**





JTK-89



JTK-82

JENSEN
Lifetime Guarantee

Pliers Kits

JTK-82 includes 1-003, 1-005, 1-001 & 1-007 described at right in sturdy roll pouch with Velcro® closure.

JTK-89 includes all six pliers described at right in sturdy roll pouch with Velcro® closure or in heavy-duty vinyl fold-up case with pouches and snap-close cover.

Cat. No	Description	Each 1-4	5-9
TK-82	Pliers Kit in Roll Pouch, 4 pc.	$56.50	$51.98
TK-89R	Pliers Kit in Roll Pouch, 6 pc.	89.00	81.88
TK-89	Pliers Kit in Fold-Up Case, 6 pc.	93.00	85.56
216-133	Fold Up Case with Snap only	10.00	9.00



JENSEN
Lifetime Guarantee

Individual Pliers

Miniature Diagonal Cutters - Blue
Semi-flush cut for most types of small wire used in electronic work. Spring-loaded handles. Overall length $4^3/_8$", cut length $^1/_2$".

Diagonal Cutting Pliers - Red
Narrow jaws reach easily into confined areas. Semi-flush cut. For general purpose electronic work. Overall length $5^1/_4$", cutting length $^{17}/_{32}$".

Thin Needle Nose Pliers - Beige
Finely serrated tips and thin needle nose for pulling or bending wire in confined spaces. Spring-loaded handles. Overall length 6", nose length 2".

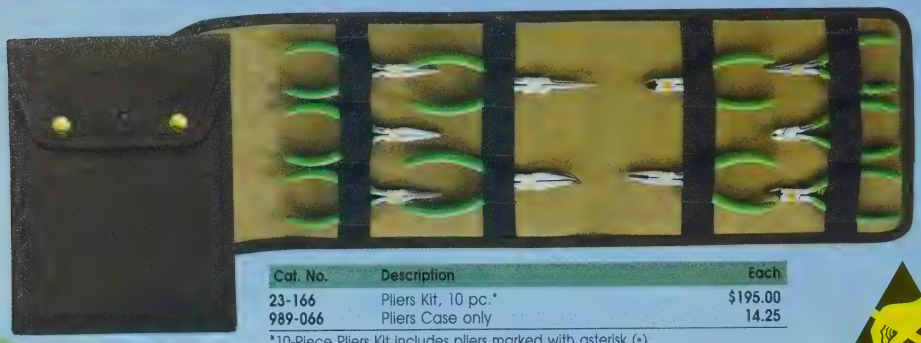
Chain Nose with Cutter - Yellow
Long nose and strong serrated jaws, sharp side cutter, ideal for a variety of electronic and electrical work. Overall length $6^1/_2$", nose length $1^7/_8$".

Miniature Chain Nose - Orange
Narrow tapered, serrated jaws. Hold, bend, loop and pull wires in close quarters. Spring-loaded handles. Overall length $4^7/_8$", nose length 1".

Thin Nose Diagonal Cutter - Turquoise
Flush-cutting diagonal cutter with thin pointed nose for reaching into tight areas. Spring-loaded handles. Overall length $4^3/_8$", cut length $^1/_2$".

Cat. No.	Description	Handle	Each 1-5	6-11
1-003	Miniature Diagonal Cutters	Blue	$13.50	$12.15
1-005	Diagonal Cutting Pliers	Red	12.75	11.48
1-004	Thin Needle Nose Pliers	Beige	15.25	13.73
1-001	Chain Nose with Cutter	Yellow	13.50	12.15
1-007	Miniature Chain Nose	Orange	13.50	12.15
1-002	Thin Nose Diagonal Cutter	Turquoise	15.95	14.36

JENSEN TOOLS INC.
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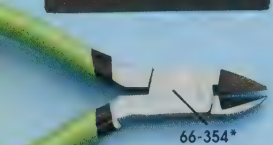


Kit includes the most popular **XCELITE** electronic pliers. ESD safe. Spring-loaded handles. Cushion grips. (Cutters are for soft non-ferrous wire only.) Case has a Cordura® nylon exterior with suede cloth interior and snap cover.

Cat. No.	Description	Each
23-166	Pliers Kit, 10 pc.*	$195.00
989-066	Pliers Case only	14.25

*10-Piece Pliers Kit includes pliers marked with asterisk (*)

- Lifetime guarantee
- Static-dissipative grips, not for use on live circuits



66-354*
MS54-9J
Tapered
Diagonal Cutters



66-350*
MS54-3J
Thin
Diagonal Cutters



66-410*
GA54J
Angled
Flush Cutters



66-365*, 66-004
L4G, L4
Subminiature
Long Nose Cutters



66-154*, 66-360
MS54, MS54J
Miniature
Diagonal Cutters



66-545
MS54-5J
Straight
Diagonal Cutters

Tapered Diagonal Cutters - Flush ground edges, tapered cutter. $4^1/_8$" long with $^7/_{16}$" cutter.

Thin Diagonal Cutter - Back side ground thin for flush cutting in confined areas. $4^1/_8$" long with $^7/_{16}$" cutter.

Angled Flush Cutter - Angled flush cutters for precision lead trimming in confined areas. 4" long with $^7/_{16}$" jaws and 29° angled cutter.

Subminiature Long Nose Pliers - Very fine points. 4" long with 1" jaws. **66-365** has smooth jaws with rounded edges. **66-004** has finely scored jaws.

Miniature Diagonal Cutters - $4^1/_8$" long with $^7/_{16}$" cutter. Flush or semi-flush.

Straight Diagonal Cutter - Straight sides are flush ground to a $^1/_{32}$" point at tips of jaws. $4^1/_8$" long with $^7/_{16}$" cutter.

Miniature Needle Nose Pliers - $4^7/_8$" long with finely scored jaws. **66-542** has extra fine $^1/_{32}$" nose tips.

Duck Bill Pliers - 5" long with $1^1/_4$" smooth jaw.

Long Nose Pliers - Scored jaws. **66-657** is $4^7/_8$" long with a $^7/_{32}$" side cutter. **66-254** is same, but has no cutter. **66-655** is $5^7/_8$" long with $^5/_{16}$" side cutter.

Curved Long Nose Pliers - $5^3/_4$" long with $^1/_2$" curved tip at end of smooth jaws.

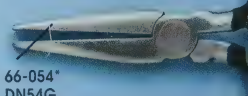
Needle Nose Pliers - **66-157** is 6" long with scored $1^3/_4$" jaws and pilot pin. **66-155** is 6" long with $1^3/_4$" scored jaws.

Transverse End Cutter - Special end cutter for PCB work. $4^3/_4$" long with 1" jaws and $^1/_8$" flush cutter at end.

Cat. No.	Description	Each
66-354*	Tapered Diagonal Cutter	$16.50
66-350*	Thin Diagonal Cutter	17.50
66-410*	Angled Flush Cutter	27.50
66-365*	Subminiature Long Nose Pliers w/Smooth Jaws	16.50
66-004	Subminiature Long Nose Pliers w/Scored Jaws	15.25
66-154*	Miniature Diagonal Semi Flush Cutter	16.50
66-360	Miniature Diagonal Flush Cutter	16.75
66-545	Straight Diagonal Cutter	16.00
66-542	Miniature Pliers, Fine Needle Nose	18.50
66-654	Miniature Pliers, Needle Nose	18.50
66-054*	Duck Bill, Smooth Jaw Pliers	16.00
66-254	Long Nose Pliers	16.00
66-657	Long Nose Pliers w/Cutter	18.00
66-655*	Long Nose Pliers w/Cutter	18.50
66-157*	Needle Nose Pliers w/Scored Jaws	21.50
66-158*	Curved Long Nose Pliers	20.00
66-155	Needle Nose Pliers w/Scored Jaws	18.00
66-544*	Transverse End Cutter	20.00



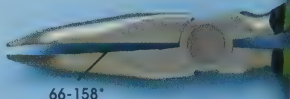
66-542, 66-654
NN54-2, NN54
Miniature
Needle Nose Pliers



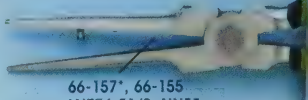
66-054*
DN54G
Duck Bill Pliers



66-254, 66-657, 66-655*
LN54, SN54, SN55
Long Nose Pliers



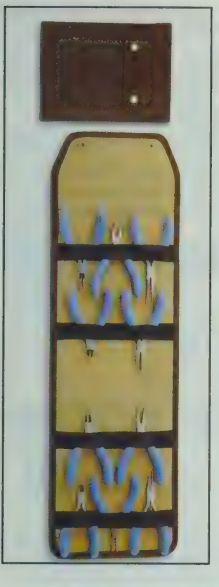
66-158*
CN55G
Curved Long Nose Pliers



66-157*, 66-155
LN774-51/2, NN55
Needle Nose Pliers
with scored jaws



66-544*
EC54J
Transverse End Cutters



Cat. No.	Description	Each
23-672	Pliers Kit, 10 pc.*	$154.00

*10 pc. Kit includes pliers marked with asterisk (•)



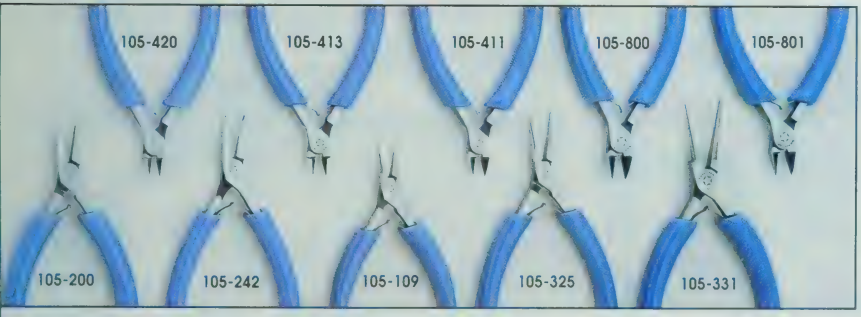
Cat. No.	Description	Jaw/Cut	Cut/Jaw Length	OAL	Each
671-300*	Needle Nose	Scored	2"	5.75"	$13.75
671-301	Needle Nose	Smooth	2"	5.75"	13.75
671-302*	Curved Long Nose	Scored	3/4"	4.5"	13.75
671-303*	Long Nose with Cutter	Scored	1 1/8"	4.75"	14.75
671-304	Long Nose w/o Cutter	Scored	1 1/8"	4.75"	13.75
671-305*	Duck Bill	Smooth	1 1/8"	4.5"	13.75
671-306	Thin-Head Diagonal	Semi-Flush	1/2"	4.5"	14.50
671-307*	Thin-Head Diagonal	Full-Flush	1/2"	4.5"	14.75
671-308*	Transverse End Cutter	Full-Flush	1/4"/1"	4.75"	14.75
671-309*	Oval-Head Diagonal	Semi-Flush	1/2"	4.25"	14.50
671-310	Oval-Head Diagonal	Full-Flush	1/2"	4.25"	14.75
671-311	Miniature Needle Nose	Smooth	1 1/8"	4.75"	14.50
671-312*	Miniature Needle Nose	Scored	1 1/8"	4.75"	14.50
671-313*	Subminiature Long Nose	Smooth	3/4"	4.5"	13.00
671-314	Subminiature Long Nose	Scored	3/4"	4.5"	13.00
671-315*	Thin Diagonal	Full-Flush	7/16"	4.25"	13.00

PRO AMERICA PREMIUM TOOLS

Electronic Pliers

- Soft, static-dissipative grips
- Meets or exceeds US government and ANSI specs
- Lifetime factory warranty

Quality pliers are hot drop forged from the finest steel, heat treated, hand sharpened and matched in pairs for maximum durability. (USA)



Cat. No.	Description	Capacity	Jaw	Cut	OAL	Each
105-420	Diagonal Cutter	18 AWG	Taper Slim	Flush	4.8"	$26.00
105-413	Diagonal Cutter	18 AWG	Oval Slim	Flush	4.8"	26.00
105-411	Diagonal Cutter	16 AWG	Oval	Flush	4.8"	26.00
105-800	Diagonal Cutter	13 AWG	Oval	Semi-flush	5.0"	28.00
105-801	Diagonal Cutter	14 AWG	Taper	Flush	5.0"	28.00
105-200	Duckbill		Smooth		5.3"	20.00

Cat. No.	Description	Jaw	OAL	Each
105-242	Long Nose, Curved	Serrated	5.3"	$28.00
105-108	Long Nose, Micro	Smooth	4.6"	22.50
105-109	Long Nose, Micro	Serrated	4.6"	24.00
105-324	Long Nose	Smooth	5.5"	26.00
105-325	Long Nose	Serrated	5.5"	26.00
105-331	Needle Nose	Serrated	6.0"	26.00

Swanstrom Tools USA

MADE IN USA

Electronic Pliers and Cutters

- Soft, static dissipative grips
- High carbon alloy forged steel
- Double leaf springs in handles

Made of the finest high carbon, high chromium alloy steel for durability. Exceeds ANSI specifications. Machined and lapped joints for perfect alignment. Full polish finish for cleanliness and rust prevention. Double stainless steel leaf spring. Lifetime factory warranty

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690



Plier Wrenches

Self-locking tool for gripping, holding and bending. Smooth parallel jaws avoid damage to soft fittings. Unique cam-action ratchet adjusts easily with the touch of a button and provides high leverage. Lever ratio greater than 10-1 for strong gripping. Highest quality chrome vanadium steel. (Germany)

Cat. No.	Description	Capacity	Each 1-5	6-11
232-001	Plier Wrench, 7"	1 3/8"	$52.95	$47.66
232-002	Plier Wrench, 10"	1 5/8"	59.95	53.96
232-003	Plier Wrench, 12"	2"	74.00	66.60



Crescent®

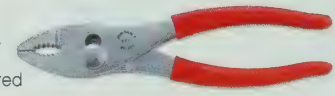
Heavy-Duty Lineman's Pliers

Streamlined head design allows easy removal and insertion into belt loops. Electronically induction-hardened, forged alloy steel. Non-slip cushion grip handles. **66-205** high-leverage lineman's pliers are ideal for utility work, wiring and electrical equipment installation. Built-in 3/4" side cutter. **66-206** diagonal cutters are designed for heavy-duty wire cutting applications. Polished head. 25/32" cut length. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
66-205	Lineman's Pliers	9 1/4"	$34.00	$30.60
66-206	Diagonal Cutters	8"	27.75	24.98

JENSEN

Slip Joint Pliers



Special drop forged steel, machined and hardened for durability. Nickel chrome-plated with wire cutter. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
66-375	Slip Joint Pliers	5"	$9.25	$8.32
66-380	Slip Joint Pliers	6 1/2"	9.75	8.77
66-018	Slip Joint Pliers	8"	11.25	10.13

STANLEY

3-Piece Plier Set



- Three most popular pliers
- Vinyl grips for comfort

Set contains long nose with side cutter, drop forged slip joint with wire cutter and drop forged diagonal cutter.

Cat. No.	Description	Length	Each 1-5	6-11
185-840	Plier Set, 3 pc.	6"	$19.95	$17.95

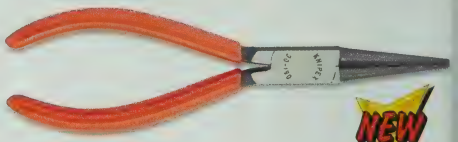


KNIPEX

Cobra® Waterpump Pliers

New generation pliers feature push-button jaw action for fast and firm single-hand adjustment directly on the workpiece. Self-gripping on pipes and fasteners. Pinch guard protects operator's fingers. Jaw design eliminates fastener burring. Constructed of oil hardened chrome-vanadium steel. (Germany)

Cat. No.	Description	Each 1-5	6-11
232-005	Cobra Pliers, 7"	$25.00	$22.50
232-006	Cobra Pliers, 10"	28.50	25.65
232-007	Cobra Pliers, 12"	40.75	36.67
232-008	Cobra Pliers, 16"	63.00	56.70



KNIPEX

Round-Nose Pliers

Quality heavy-duty pliers for forming wires, component leads, etc. Constructed of chrome-vanadium steel, oil hardened. Jaws taper from 1/16" at tip to 1/4" at base. 1 7/8" jaw length. 7 1/2" OAL. (Germany)

Cat. No.	Description	Each 1-5	6-11
232-004	Round-nose Pliers, 7 1/2"	$22.50	$20.25

PROTO
Lifetime Warranty



Mechanic's Pliers

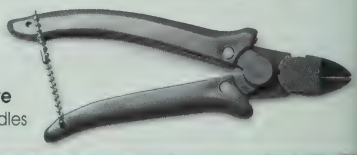
- Plastisol-dipped handles

Pliers are forged steel, precision machined and polished with scored jaws.

Cutters have semi-flush diagonal cut with induction-hardened edges. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
66-051	Long Reach Thin Needle Nose Pliers	7"	$18.50	$16.65
66-400	Long Reach Needle Nose Pliers	8"	18.75	16.88
185-006	Diagonal Cutter	6"	17.95	16.16
185-007	Diagonal Cutter	7 3/4"	22.95	20.66

Hard-Wire Cutter



- Cuts 2mm hard-wire

Cushion gripped handles and compound action.

Cat. No.	Description	Length	Each 1-5	6-11
803-790	Hard-Wire Cutter	6 3/4"	$35.00	$31.50

JENSEN
Lifetime Guarantee

by VISE-GRIP® Locking Pliers Kit



Contains the three most popular sizes; 5" curved jaw, 6" long nose and 7" curved jaw in a red Cordura® Plus pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
1-131	Locking Pliers Kit, 3 pc.	$41.00	$36.90



JENSEN
Lifetime Guarantee

Groove Joint Pliers

Precision forged tongue and groove design for easy adjustment and superior strength. (USA)

Cat. No.	Description	Length	Capacity	Each 1-5	6-11
1-008	Groove Joint Pliers	5"	1/2"	$12.50	$11.25
1-006	Groove Joint Pliers	7"	1 1/4"	11.50	10.35
1-010	Groove Joint Pliers	10"	1 7/8"	13.25	11.93

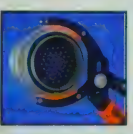


C.K

Utility Pliers (Waterpump)

Drop forged chrome vanadium steel. Parallelogram shaped jaw. Box joint with steel rivet provides superb strength. (Germany)

Cat. No.	Description	Length	Capacity	Each 1-5	6-11
194-958	Utility Pliers	7"	1/8" - 1"	$19.95	$17.95
194-959	Utility Pliers	10"	3/8" - 1 1/4"	21.00	18.90



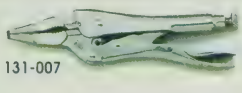


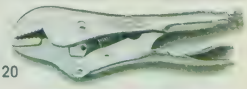
ROBO RCP™ Soft Jaw Pliers

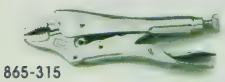
➥ Standard or 30° angled handle version

One-handed operation allows the tool to adjust as quickly as your hand can squeeze. Laminate steel construction provides superior strength. Pads protect the connector surface.

Cat. No.	Description	Length	Adjustment	Each 1-5	6-11
78-008	Robo RCP™ Pliers	8"	1/4" - 1 1/2"	$53.00	$47.70
78-009	Robo RCP™ Pliers	9"	1 1/4" - 3"	57.00	51.30
78-0100	30° Offset Connector Pliers	8"	1/4 - 1 5/8"	62.00	55.80
78-0110	30° Offset Connector Pliers	9"	1 1/4 - 3"	66.00	59.40
78-0120	Replacement Pads, Pair	For 8" Tool	-	4.95	4.46
78-0130	Replacement Pads, Pair	For 9" Tool	-	5.95	5.36









VISE GRIP

MADE IN USA



1-132

Locking Pliers

➥ Lifetime factory warranty

Cat. No.	Description	Length	With Cutter	Each
1-132	Miniature Locking Pliers Set, 3 pc.		–	$43.95
131-480*	Curved Jaw	4"	Yes	11.75
865-315	Curved Jaw	5"	Yes	12.75
865-317	Curved Jaw	7"	Yes	14.00
131-105	Curved Jaw	9"	Yes	15.25
131-120	Straight Jaw	7"	No	13.75
131-100	Straight Jaw	9"	No	15.25
131-400*	Long Nose	4"	Yes	13.75
865-326	Long Nose	6"	Yes	15.75
131-109	Long Nose	9"	Yes	19.25
131-004*	Bent Nose	4"	Yes	15.95
131-007	Bent Nose	6"	Yes	19.00

*Included in kit



ROBOGRIP®

Self-Adjusting Pliers

The only self-adjusting pliers with true one-handed operation. Jaws adjust as quickly as your hands can squeeze, making any job faster and easier. Laminated steel construction provides superior strength. Ergonomic handle design for maximum comfort. (USA)

Cat. No.	Description	Length	Jaw Capacity	Each
78-001	RoboGrip Plier, Straight Jaw	7"	3/4"	$21.95
78-002	RoboGrip Plier, Curved Jaw	7"	3/4"	21.95
78-003	RoboGrip Plier, V-Jaw	7"	3/4"	21.95
78-004	RoboGrip Plier, Straight Jaw	9"	1 1/2"	25.95
78-005	RoboGrip Plier, Curved Jaw	9"	1 1/2"	25.95
78-006	RoboGrip Plier, V-Jaw	9"	1 1/2"	25.95

MILBAR

Soft Jaw Pliers



➥ Replaceable jaw inserts

Capacity from 3/4" to 2 1/2". Ideal for circular AN electrical connectors and fittings. Use anywhere you don't want to mar or damage surfaces. (USA)

Cat. No.	Description	Each 1-5	6-11
71-045	Soft Jaw Pliers	$25.00	$22.50
71-046	Replacement Inserts (pair)	4.25	3.83

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



H.K. Porter®
High-Leverage Cable Cutter

Capacity of 4/0 aluminum and 2/0 copper cable. Not designed to cut steel or ACSR cable. Overall length 9 1/4".

Cat. No.	Description	Each
3-089	High-Leverage Cable Cutter	$25.50

Coaxial Cable Cutter



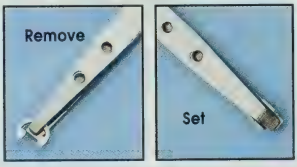
- For copper or aluminum cables

Ideal for CATV, communication and electrical professionals. Handles up to 1" cables. Length 8 1/2". (USA)

Cat No.	Description	Each
213-095	Coaxial Cable Cutter	$47.95



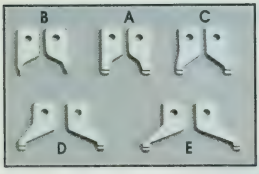
C-Clip Remover/Setter

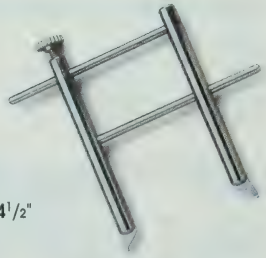


- Removes clips easily
- Springs hold clips

One end of tool has a hook with leaf spring tension for removing clip, other end has leaf spring for holding clip in position to insert. Narrow shape permits use in confined places. (USA)

Cat. No.	Description	Each 1-5	6-11
849-600	C-Clip Remover/Setter	$12.00	$10.80





Spanner Wrenches

- Adjust with one screw from 0-4 1/2"
- Reversible tips

For use on retaining rings where precision and stability are required. Hardened tips are held firmly in place with spring-loaded balls and are easily inserted and removed. Spanner wrench quickly adjusts from 0-4 1/2" with one thumb screw. Each tip may be reversed in its holder for inside/outside use. (USA)

Cat. No.	Description	Each 1-5	6-11
684-346	Wrench with 3 Bits (A, B & D)	$59.00	$53.10
684-345	Wrench with 5 Bits (A, B, C, D, & E)	75.00	67.50



Internal & External Retaining Ring Pliers

71-310, 71-320, and **71-012** feature .038" tips. Internal style from .375 to 1", external style from .5 to .875" shaft diameter. Both have return springs. **48-842** is a miniature style with .025" tips. Designed to remove friction-grip external snap-rings found in VCRs, fax machines and printers in 2-4mm sizes. (USA)

Cat. No.	Description	Each 1-5	6-11
71-310	Internal Style Retaining Ring Pliers	$8.50	$7.65
71-320	External Style Retaining Ring Pliers	8.50	7.65
71-012	Internal/External Styles Retaining Ring Pliers	10.50	9.45
48-842	Miniature Style Retaining Ring Pliers	13.95	12.56

Hi-Tech Internal/External Retaining Ring Pliers Set



Converts from internal to external. Internal sizes from 1/4" (6mm) thru 1" (26mm); external sizes from 1/8" (3mm) thru 1" (26mm). Five color-coded pairs of tips: .023, .036, and .047" straight; .036 and .047" bent 90°. (USA)

Cat. No.	Description	Each 1-5	6-11
782-122	Internal/External Retaining Ring Pliers Set	$19.50	$17.55



Internal/External Retaining Ring Pliers Set



For internal and external rings from 1/4" to 2" diameter. Includes two pliers handles and eight pairs of tips. (USA)

Cat. No.	Description	Each 1-5	6-11
71-444	Internal/External Retaining Ring Pliers Set	$29.95	$26.95



Safety Wire Twister with Auto Return

Tapered nose twister with speedy auto return enables the operator to quickly and effectively attach safety wire in accordance with the strictest standards.

Cat. No.	Description	Each 1-5	6-11
71-006	6" Safety Wire Twister with Auto Return	$29.95	$26.95
71-009	9" Safety Wire Twister with Auto Return	29.95	26.95

Original JENSEN® Multi-Tool Kit Designs

You'll find hundreds of uses for these handy, versatile kits. They contain a variety of tools to meet your equipment maintenance needs. Each of these comprehensive kits weighs next to nothing and can easily be carried with the convenient built-in belt loop. All full-size multi-tools will fit our holsters. See pages 224-225 for more pocket tool options.



Multi-Tool Kit I

Featuring SOG® Paratool

Paratool Includes:
- Needle nose pliers w/three gripping surfaces
- Wire cutter
- 3" straight point knife blade
- 3" serrated sheepfoot knife blade
- Flathead screwdrivers (3)
- #1 Phillips screwdriver
- Can/bottle opener
- Awl
- Coarse/fine file
- Measuring scale

Additional Items in Kit:
- Mini Maglite
- Mini 4-in-1 screwdriver w/two slotted/Phillips bits
- Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"

Cat. No.	Description	Each 1-4	5-9
1-854	Multi-Tool Kit I, Blue Pouch	$95.00	$87.40
1-854BK	Multi-Tool Kit I, Black Pouch	95.00	87.40
1-854RD	Multi-Tool Kit I, Red Pouch	95.00	87.40
216-854	Pouch only, Blue	13.00	11.96
216-854BK	Pouch only, Black	13.00	11.96
216-854RD	Pouch only, Red	13.00	11.96



Multi-Tool Kit II

Featuring GERBER Multi-Lock

Multi-Lock Includes:
- Blunt nose pliers w/cutter
- File
- Serrated sheepfoot knife blade
- Flathead screwdrivers (3)
- #1 Phillips screwdriver
- Drop point blade
- Can/bottle opener
- Ruler, inch/metric

Additional Items in Kit:
- 5/16-1/2", 1/4" drive sockets (9)
- 1/4" hex bits, two slotted & two Phillips
- 3" extension
- 1/4" hex to 1/4" square adapter
- 1/4" hex mini ratchet
- Mini Maglite
- Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"

Cat. No.	Description	Each 1-4	5-9
1-365BL	Multi-Tool Kit II, Blue Pouch	$99.00	$91.08
1-365BK	Multi-Tool Kit II, Black Pouch	99.00	91.08
1-365RD	Multi-Tool Kit II, Red Pouch	99.00	91.08
1-365MRD	Multi-Tool Kit II, Metric, Red Pouch	99.00	91.08
216-365NV	Pouch only, Blue	13.00	11.96
216-365BK	Pouch only, Black	13.00	11.96
216-365	Pouch only, Red	13.00	11.96



Multi-Tool Kit III

Featuring LEATHERMAN Super Tool

Super Tool Includes:
- Needle nose pliers
- Regular pliers w/wire cutter
- Clip point & serrated knife blades
- Wood/bone saw
- Metal/wood file
- 9" ruler
- Can/bottle opener
- Screwdriver blades (4)
- Wire stripper
- Awl punch

Additional Items in Kit:
- Leatherman Tool adapter for 1/4" hex drive bits
- Hex drive bits (6)
- Mini Maglite
- Cordura Plus pouch w/belt loop, 6 1/2 x 3"

Cat. No.	Description	Each 1-4	5-9
1-228BK	Multi-Tool Kit III, Black Pouch	$109.00	$100.28
216-228	Pouch only, Black	11.00	10.12



Multi-Tool Kit IV Electrician's Kit

Featuring Crescent® ToolZall Electrician

ToolZall Includes:
- Wire stripper (20-10AWG)
- Wire cutter
- Wire bender
- Awl
- Can opener and bottle opener
- Serrated drop point knife
- Mini-Maglite flashlight
- Needle-nose pliers
- Flat-head screwdrivers (3)
- Phillips screwdriver
- English and metric rules
- Metal and wood files

Additional Items in Kit:
- Mini-4-in-1 screwdriver w/two Slotted/Phillips bits
- Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"

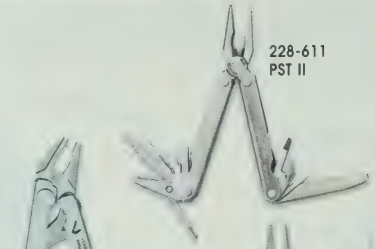
Cat. No.	Description	Each 1-4	5-9
1-350BK	Multi-Tool Kit IV, Black Pouch	$99.00	$91.08
3-350	Crescent ToolZall Electrician Tool only	59.00	–
216-854BK	Pouch only, Black	13.00	11.96

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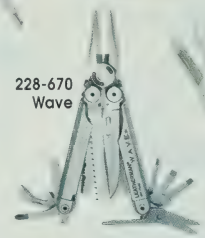
Multi-Function Pocket Tools

Leatherman pocket tools rank among the finest in the world due to rigorous design tolerances and attention to detail. Highest quality stainless-steel construction. Each tool is carefully finished to ensure smooth operation and corrosion resistance. Individual components are heat-treated to appropriate hardness for their specific use. Precision ground slotted screwdrivers and proprietary-design Phillips-type screwdrivers modified to fit both #1 and #2 fasteners. 25-year manufacturer's warranty. Order your Leatherman tool from the table below based on your preferred features/components.

***228-650** Tool Adapter™ (also included in 228-301 combo) fits most Leatherman tools (see chart below for compatability). To attach, insert between handles and squeeze handles closed for secure driving of all 1/4" hex drive bits. Straight, 45 and 90-degree lock positions. Includes adapter, #0, #3 Phillips, #1, #2 Robertson (square) T-15 Torx®, #8-10 Slotted bits and clip-on carrying case.

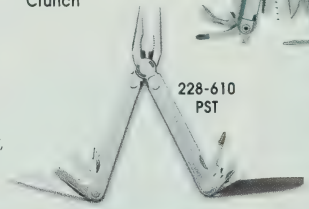


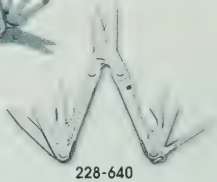
















Cat. No	Description	Open-Closed	Each 1-5	6-11
228-610	Leatherman PST Survival Tool	6 1/4" - 4"	49.95	44.95
228-611	Leatherman PST-II Survival Tool	6 1/4" - 4"	55.00	49.50
228-620	Leatherman Mini-Tool	6 1/4" - 2 1/2"	42.00	37.80
228-630	Leatherman Super Tool	7" - 4 1/2"	69.95	62.95
228-640	Leatherman Micra Tool	4" - 2 1/2"	26.95	24.25
228-660	Leatherman SideClip Survival Tool	6 1/4" - 4"	44.00	39.60
228-650	Leatherman Tool Adapter*	3 1/4"	26.95	24.25
228-301	Leatherman Combo (228-630 and 228-650)	–	95.00	85.50
228-670	Leatherman Wave	6 1/4" - 4"	98.00	88.20
228-680	Leatherman Crunch	6 1/4" - 4"	98.00	88.20
228-690	Leatherman Pulse	6 1/4" - 4"	72.00	64.80

Description Cat. No.	PST™ 228-610	PST-II 228-611	Mini-Tool 228-620	Super Tool 228-630	Micra™ 228-640	SideClip 228-660	Wave™ 228-670	Crunch™ 228-680	Pulse 228-690
Awl/Punch	✓			✓					
Blade, Clip/Drop Point	✓		✓	✓	✓	✓			✓
Blade, Serrated				✓				✓	
Blade, Straight/Serrated		✓					✓		
Bottle Opener						✓		✓	
Can/Bottle Opener	✓	✓	✓	✓		✓	✓		✓
Clip						✓			
Crimper				✓					
Driver, Hex Bit								✓	
File, Cross-Cut		✓							✓
File, Diamond-Coated		✓							✓
File, Nail					✓				
File, Wood/Metal	✓		✓	✓			✓	✓	
Hard Wire Cutter	✓	✓	✓	✓		✓	✓	✓	✓
Lanyard Hole					✓	✓	✓	✓	✓
Pliers, Gripping	✓	✓	✓	✓		✓	✓		✓
Pliers, Locking								✓	
Pliers, Needle Nose	✓	✓	✓	✓		✓	✓		✓
Rule Inch/Metric	✓	✓	✓	✓	✓	✓		✓	✓
Saw				✓			✓		
Scissors		✓			✓		✓		✓
Screwdriver, Phillips	#1	#1		#1	#1	#1	#1	#1	#1
Screwdriver, Slotted	3	3	1	3	2	3	4	3	3
Sharpening Stone									✓
Sheath, Leather	✓	✓		✓			✓		
Tool Adapter Compatability	(Optional)	(Optional)		(Optional)		(Optional)			(Optional)
Tweezers					✓				
Wire Cutter	✓	✓	✓	✓		✓	✓	✓	✓
Wire Stripper				✓			✓	✓	

Swiss-Tech Micro Tools

SWISS-TECH

➥ Lifetime manufacturer's warranty

143-001 MicroPlus: Patented design tool folds and locks on any keyring. Includes pliers, 2 Phillips screwdrivers, 2 slotted screwdrivers and wire cutter/stripper. Milled from 4140 hardened tool steel. Includes presentation box. 1 x $1^{7}/_{8}$ x $^{1}/_{4}$".

143-002 Screwz-All: Four precision screwdrivers: micro slotted and Phillips and standard slotted and Phillips. Stainless detachable key clip. Constructed of 4650 tool steel. $3^{5}/_{16}$ x $^{7}/_{8}$ x $^{5}/_{8}$", 1.0 oz.

143-003 Utili-Key UST: The lightest, most compact multi-tool ever built. $2^{3}/_{4}$" folded size, about the size of a standard car key. 0.5 oz weight. Includes knife blade, serrated cutting surface, micro Phillips screwdriver, eyeglass screwdriver, #1 slotted screwdriver and bottle opener. Self locking to any key ring. 420 stainless steel with silver finish. (USA)










Cat. No.	Description	Each 1-5	6-11
143-001	MicroPlus Micro Tool	$24.95	$22.45
143-002	Screwz-All Micro Tool	12.95	11.65
143-003	Utili-Key UST Micro Tool	19.95	17.95

Gerber Multi-Function Pocket Tools

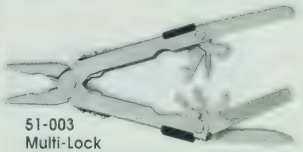
Finest-quality stainless steel construction. One-handed opening locks the plier head with a simple flick of the wrist. Components lock securely and release easily with slide lever. Independent tool rotation allows access to one tool without others following it out. Smooth non-pinching handles. (USA)

Description Cat. No.	Blunt Nose 51-801	Blunt Nose 51-251	Tool Kit 51-201	Sport Multi-Plier 51-400	Needle Nose 51-003
Bit Coupler, $^{1}/_{4}$"		✓	✓		
Bit Holder		✓	✓		
Bit, Phillips		3	3		
Bit, Slotted		3	3		
Blade, Clip/Drop Point	✓	✓		✓	✓
Blade, Serrated	✓	✓			✓
Can/Bottle Opener	✓	✓		✓	✓
Crimper	✓	✓		✓	✓
File	✓	✓			✓
Lanyard Hole	✓	✓			✓
Pliers, Blunt Nose	✓	✓			
Pliers, Needle Nose				✓	✓
Pouch, Nylon	✓	✓	✓		✓
Rule	✓	✓		✓	✓
Screwdriver, Phillips	#1	#1		#1	#1
Screwdriver, Slotted	3	3		3	3
Wire Cutter	✓	✓		✓	✓

Cat. No.	Description	Open-Closed	Each 1-5	6-11
51-801	Gerber Multi-Lock, Blunt Nose	$6^{1}/_{2}$" - 5"	$69.00	$62.10
51-003	Gerber Multi-Lock, Needle Nose	$6^{1}/_{2}$" - 5"	69.00	62.10
51-251	Gerber Multi-Lock Tool Kit, Blunt Nose	$6^{1}/_{2}$" - 5"	79.00	71.10
51-201	Gerber Tool Kit, Upgrade	-	22.00	19.80
51-400	Gerber Compact Sport Multi-Plier	$4^{1}/_{2}$" - $5^{3}/_{4}$"	52.00	46.80









SOG® Multi-Purpose Tools

➥ Factory lifetime warranty ➥ Stainless steel construction

SOG multi-purpose tools combine design creativity, traditional hand craftsmanship with the strongest steels and finest materials. Well balanced tools with a precision feel, ideal for professional servicemen. (USA)

Description	Paratool 854-031	Power Plier 854-038	PowerLock 854-060
Awl		✓	
Blade, Drop Point	✓	✓	✓
Blade, Serrated	✓	✓	✓
Can/Bottle Opener	✓	✓	✓
Chisel		✓	
File, Wood/Metal	2	3	✓
Lanyard	✓		
Pliers, Blunt Nose		✓	
Pliers, Gripping	✓	✓	✓
Pliers, Needle Nose	✓		✓
Pouch, Nylon	✓		
Pouch, Cordura®		✓	
Pouch, Leather			✓
Rule, Inch/Centimeter	✓	✓	✓
Saw, Double Tooth		✓	✓
Scissors			✓
Screwdriver, Phillips	1	2	1
Screwdriver, Slotted	3	3	3
Square Drive		✓	
Wire Cutter	✓	✓	✓
$^{1}/_{4}$" Hex Driver			✓



Cat. No.	Description	Open-Closed	Each 1-5	6-11
854-031	Paratool	$6^{1}/_{2}$" - 4"	$66.00	$59.40
854-038	Power Plier	$6^{3}/_{4}$" - $4^{1}/_{4}$"	71.00	63.90
854-060	PowerLock Multi-Purpose Tool	$4^{5}/_{8}$" - 7"	75.00	67.50

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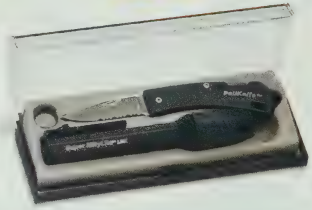
STANLEY

MaxEdge™ SL1 Locking-Blade Knife

Quality 440 stainless-steel high-strength construction. Hand fit and finished. Dupont Delrin® wear resistant handles. Nickel silver bolsters. Solid brass liners. Includes reinforced nylon belt sheath. 5" closed length $3^5/_8$" blade. Lifetime manufacturer's warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
248-001	MaxEdge SL1 Locking-Blade Knife	$39.00	$35.10

Super MityLite®/ PeliKnife™ Bonus Pack



Features super-bright 6000 candlepower xenon lamp. FM, CSA and non-incendive CENELEC approved. PeliKnife lock-back knife with $1^7/_8$" hollow ground stainless-steel blade. Strong, lightweight composite handle with keychain ring. Includes two AAA batteries. (USA)

Cat. No.	Description	Each 1-5	6-11
432-980	Super MityLite/PeliKnife Bonus Pack	$18.50	$16.65

For replacement batteries, see page 282

SOG® AutoClip®

- Stainless steel blade
- Available straight or serrated

A whole new concept in folding knives. Fast opening, lightweight and affordable. Features the patented adjustable tension mounting clip for various belt thicknesses, solving the problem of conventional clips. One hand opening operation. Locking blade. (USA)



Cat. No.	Description	Blade	Open	Each 1-5	6-11
854-036	AutoClip	Smooth	$8^1/_4$"	$39.50	$35.55
854-036S	AutoClip	Serrated	$8^1/_4$"	39.50	35.55
854-039	Mini AutoClip	Smooth	$6^3/_4$"	32.50	29.25
854-039S	Mini AutoClip	Serrated	$6^3/_4$"	32.50	29.25

GERBER LEGENDARY BLADES



Gator® Lock-Back Folding Knife

Heavy-duty construction. Comfortable, contoured Kraton® covered non-slip handle. Includes ballistic cloth sheath. $8^3/_4$" overall length with $3^3/_4$" long, 0.125" thick stainless-steel blade. 5 oz. Lifetime manufacturer's warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
51-069	Gator Lock-Back Folding Knife	$46.00	$41.40



STANLEY

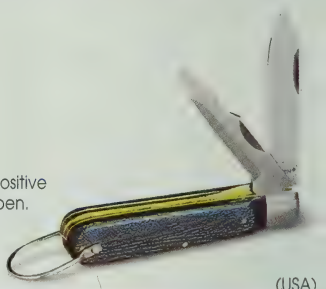
Folding Electrician's Knife

Folds to pocket size. Tempered stainless-steel blade. Lightweight, impact-resistant, long-lasting ABS handles. Two sizes of wire strippers. $4^1/_8$" length closed. $3^1/_4$" blade.

Cat. No.	Description	Each 1-5	6-11
248-002	Folding Electrician's Knife	$12.50	$11.25

JENSEN®
Lifetime Guarantee

Electrician's Knife/Driver



A knife and a screwdriver. Positive lock holds screwdriver blade open. Blade has edge for scraping insulation. $2^3/_4$" carbon steel blades. Optional top grain cowhide **Knife Sheath**. (USA)

Cat. No.	Description	Open-Closed	Each 1-5	6-11
59-929	Electrician's Knife/Driver	$6^1/_2$" - $3^3/_4$"	$14.50	$13.05
224-344	Leather Knife Sheath	–	4.95	4.46



VICTORINOX®
THE ORIGINAL SWISS ARMY™ KNIFE

Electrician's Cable Stripping Knife

- Lifetime factory warranty
- Stainless steel construction

Comfortable, sure-handed ribbed grips. Features $2^1/_2$" straight blade, electrician's blade with cable stripping notch, large screwdriver with bottle opener and wire stripping notch, plus a reamer/punch blade. 3 oz. (Switzerland)

Cat. No.	Description	Open-Closed	Each 1-5	6-11
264-781	Electrician's Cable Stripping Knife	$6^1/_8$" - $3^5/_8$"	$25.00	$22.50

GERBER LEGENDARY BLADES



Chameleon II™ Lock-Back Folding Knife

Revolutionary-design SAF.TGRIP™ system with open pivot allows for a grip that is comfortable and secure. Finger cavity reduces possibility of slippage or loss. Ergo grip reflects the natural position of your hand. 3" smooth stainless steel blade. Glass-filled nylon handle. Includes nylon sheath. Lifetime manufacturer's warranty. (USA)

Cat. No.	Description	Open-Closed	Each 1-5	6-11
51-020	Chameleon II Knife	7 - $4^1/_4$"	$39.00	$35.10



STANLEY

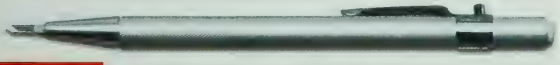
Utility Knives

MADE IN USA

➥ 3-way retractable blades

185-999 features a die-cast aluminum body that stores extra blades and swivels open for fast, easy blade change.
185-499 offers an aluminum body with flip-down rear compartment to store extra blades, eliminating need to take handle apart to replace.
185-099 has a blade-storing, lightweight, die-cast aluminum body.
185-175 has a half-zinc, half-plastic body with interlocking nosepiece to prevent spreading.

Cat. No.	Description	Each 1-5	6-11
185-999	Swivel-Lock Utility Knife	$6.00	$5.40
185-499	Quick Change Utility Knife	5.00	4.50
185-099	Model 99 Utility Knife	3.50	3.15
185-175	Economy Utility Knife	3.10	2.79
185-921	Heavy-Duty Replacement Blades, 5/pk.	1.75	1.58
185-961	Hook Replacement Blades, 5/pk.	2.50	2.25

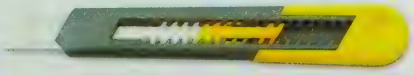


x-acto

Push-Button Knife

Blade is kept safely hidden when knife is not in use. Snap it out and it's ready to cut. All metal. Positive lock. Very light. For delicate, accurate cutting. (USA)

Cat. No.	Description	Each 1-5	6-11
68-183	Push-Button Knife	$9.25	$8.32
68-185	Replacement Blades, 5/pk.	6.95	6.25



STANLEY

Quickpoint Snap-Blade Knives

➥ Reinforced plastic body ➥ Locking slide
➥ 13 points on knife blade

Cat. No.	Description	Each 1-5	6-11
185-300	Quickpoint Knife	$2.95	$2.65
185-310	Replacement Blades, 3 pk.	1.50	1.35

x-acto

Knife Chest

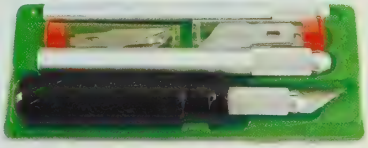
Includes light-duty knife, medium-duty knife, heavy-duty knife with aluminum handle plus an assortment of 14 extra blades in wooden chest. (USA)



Cat. No.	Description	Each 1-5	6-11
68-083	Knife Chest	$29.00	$26.10

Precision Knife Set

Includes light-duty knife, medium-duty knife and heavy-duty knife with plastic handle plus an assortment of 10 extra blades in plastic case. (USA)



Cat. No.	Description	Each 1-5	6-11
68-081	Precision Knife Set	$13.50	$12.15



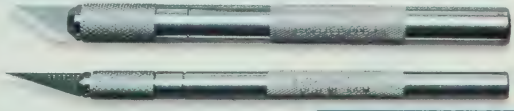
Precision Knife

x-acto

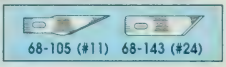
➥ Rubberized Comfort Grip

Features center barrel blade release and anti-roll wedge for precision cutting. Accepts all type "A" blades. #11 blade included (USA).

Cat. No.	Description	Each 1-5	6-11
68-200	Comfort Precision Knife	$4.95	$4.46



Precision Knives



Surgically sharp knives with interchangeable blades for a variety of cutting tasks. (USA)

Cat. No.	Description	Each 1-5	6-11
68-101	Light-Duty Knife	$1.95	$1.75
68-105-100	#11 Replacement Blade, 100/pk.	12.50	11.25
68-137	Medium-Duty Knife	2.75	2.48
68-143-100	#24 Replacement Blade, 100/pk.	16.95	15.26

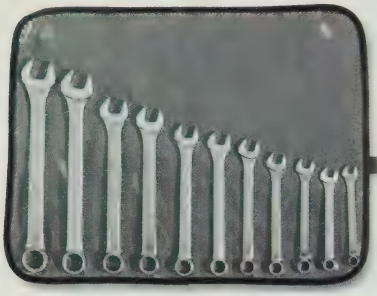


Razor Scraper

Single edge heavy-duty .009" thick high carbon steel blades. Includes 5 blades. (USA)

Cat. No.	Description	Each 1-5	6-11
185-500	Scraper	$2.95	$2.65
185-115	Replacement Blades, 100 pk.	5.50	4.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



STANLEY Combination Wrench Sets

➥ Inch and metric Sets

185-448: 3/8 through 1" in 1/16" increments.
185-452: 3/8 through 1 1/4" in 1/16" increments (exception - no 1 3/16" size).
185-451: 7 through 18mm in 1mm increments (exception - no 16mm size).
185-447: 6 through 22mm in 1mm increments.
All sets include vinyl storage pouch. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-448	85-450 Combination Wrench Set, inch, 11 pc.	$75.00	$67.50
185-452	85-452 Combination Wrench Set, inch, 14 pc.	109.00	98.10
185-451	85-451 Combination Wrench Set, metric, 11 pc.	55.00	49.50
185-447	85-447 Combination Wrench Set, metric, 17 pc.	95.00	85.50

JENSEN Lifetime Guarantee Midget Open End Wrench Sets



➥ Inch or metric

Open-end precision forged wrenches with both 15° and 60° head angles for ease of use. **Inch Set** includes sizes 13/64, 7/32, 15/64, 1/4, 9/32, 5/16, 11/32, and 3/8". **Metric Set** includes sizes 4, 4.5, 5, 5.5, 6, 7, 8, and 9mm.
Both sets supplied in vinyl roll pouches. (USA)

Cat. No.	Description	Each 1-5	6-11
461-180	Midget Open End Wrench Set, Inch, 8 pc.	$17.50	$15.75
461-050	Midget Open End Wrench Set, Metric, 8 pc.	19.50	17.55

Miniature Combination Wrench Sets



➥ Inch or metric

Perfect for the miniature fasteners found in electronic and mechanical components. Made of heat treated and chrome-plated high alloy steel in durable vinyl pouch. **Inch Set:** 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32 and 3/8". **Metric Set:** 4, 5, 5.5, 6, 7, 8 and 9mm. (USA)

Cat. No.	Description	Each 1-5	6-11
461-001	Mini. Comb. Wrench Set, Metric, 7 pc.	$29.95	$26.95
461-100	Mini. Comb. Wrench Set, Inch, 9 pc.	37.95	34.16

JENSEN Lifetime Guarantee Adjustable Wrenches

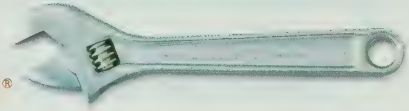


➥ Cushion grip handles

These top quality adjustable wrenches are made of high strength alloy steel which meet or exceed federal specifications. (USA)

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
1-468	Wrench Set, (4", 6", 8")	–	–	$37.00	$33.30
129-444	Adjustable Wrench	4"	17/32"	12.95	11.91
129-666	Adjustable Wrench	6"	15/16"	13.95	12.83
129-888	Adjustable Wrench	8"	1 1/8"	14.95	13.75
671-100	Adjustable Wrench	10"	1 11/32"	19.95	17.95
671-120	Adjustable Wrench	12"	1 5/16"	25.95	23.35

Crescent® Wide Jaw Adjustable Wrenches



➥ Lifetime factory guarantee ➥ One-hand adjustment

Chrome-plated wrenches exceed all federal specifications. (USA)

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
66-320	Wide Jaw Adj. Wrench	6"	15/16"	$13.50	$12.15
66-325	Wide Jaw Adj. Wrench	8"	1 1/16"	16.00	14.40
66-305	Wide Jaw Adj. Wrench	10"	1 5/16"	19.95	17.95
66-310	Wide Jaw Adj. Wrench	12"	1 7/16"	28.00	25.20

PROTO Lifetime Warranty CLIK-STOP® Auto-Locking Adjustable Wrenches

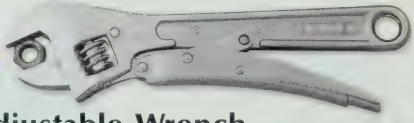


➥ Wide jaw design ➥ Meets federal/ANSI specifications

Exclusive CLIK-STOP feature automatically locks the movable jaw at any opening selected. The more pressure applied to the wrench, the tighter the jaw locks. When pressure is released the knurl turns freely. (USA)

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
185-104	Clik-Stop Wrench	4"	1/2"	$14.95	$13.46
185-106	Clik-Stop Wrench	6"	15/16"	15.95	14.36
185-108	Clik-Stop Wrench	8"	1 1/8"	18.25	16.43
185-100	Clik-Stop Wrench	10"	1 5/16"	21.95	19.75
185-120	Clik-Stop Wrench	12"	1 1/2"	27.95	25.15

STANLEY MaxGrip™ Locking Adjustable Wrench



Unique design features two tools in one: traditional adjustable wrench and locking plier. Heavy-duty jaws grips fastener tight minimizing slippage. Great for loosening stubborn fasteners. Forged body exceeds ANSI standards for torque.

Cat. No.	Description	Length	Each 1-5	6-11
865-610	MaxGrip Locking Adjustable Wrench	10"	$23.00	$20.70

JENSEN
Lifetime Guarantee

1/4" Drive Inch/Metric Socket Set



➥ Standard and deep sockets

Contains 1/4" drive, quick-release ratchet, 3" extension, 6 deep sockets, 6 pt.: 1/4, 9/32, 5/16, 11/32, 3/8, 7/16"; 10 each standard length, 6 pt. sockets: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"; 10 each metric sockets, standard length, 6 pt.: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm. Molded plastic case. (USA)

Cat. No.	Description	Each 1-5	6-11
185-227	1/4" Drive Inch/Metric Socket Set, 28 pc.	$45.00	$35.10

JENSEN
Lifetime Guarantee

1/4" Drive Socket Sets



➥ Quick-release ratchet
➥ Inch or metric sets
➥ NSN: 5120-01-119-2569

Fine quality sets of chrome plated steel. Feature a 5 1/2" quick release ratchet driver, 6" spinner handle, 3" and 6" extensions. Inch set includes 9 sockets (3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2") in handy vinyl boot. Metric set includes 9 sockets (4, 5, 6, 7, 8, 9, 10, 11, 12mm). Steel box with positive latch with each set. (USA)

Cat. No.	Description	Each 1-5	6-11
354-105	1/4" Drive Inch Socket Set, 14 pc.	$29.95	$22.45
354-814	1/4" Drive Metric Socket Set, 14 pc.	31.00	22.45

JENSEN
Lifetime Guarantee



1/4 - 3/8" Drive Socket Set

Quality, comprehensive set at an economical price. Includes 3/8" drive ratchet, 3" and 6" long 3/8" drive extensions, 1/4" drive spinner handle, seven 3/8" drive 12 pt. sockets (3/8 to 3/4"), three 1/4" drive 8 pt. sockets (1/4, 5/16, 3/8"), six 1/4" drive 6 pt. sockets (3/16 to 11/32"), 3/8" drive (5/8") spark plug socket, 3/8" drive to 1/4" drive adapter, metal storage box with positive latch. (USA)

Cat. No.	Description	Each 1-5	6-11
997-038	1/4-3/8" Drive Inch Socket Set, 23 pc.	$49.00	$39.15

STANLEY

1/4 - 3/8" Drive Combination Socket Set



1/4" **Drive:** 6-point sockets (5/32-3/16"), 12-point sockets (7/32-1/2"), 6-point metric sockets (4-6mm), 12-point metric sockets (7-13mm), reversible ratchet, socket driver, 3" extension.

3/8" **Drive:** 12-point sockets (3/8-13/16"), 6-point sockets (1/4-3/8"), 12-point deep sockets (3/8-5/8"), 12-point metric sockets (10-19mm), reversible ratchet, 3" extension. Vinyl zipper storage pouch.

Cat. No.	Mfr.No./Description	Each 1-5	6-11
185-439	85-439 1/4-3/8" Drive Combo Socket Set, 50 pc.	$79.00	$71.10

STANLEY

1/2" Drive Socket Set



Includes 6-point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"; 12-point sockets 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4" drive reversible ratchet, 5" extension, hinge handle, and molded case.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-425	85-424 1/2" Drive Socket Set, 17 pc.	$69.00	$62.10

STANLEY

82-Piece Inch/Metric Socket Set



1/4" Drive Sockets
12-Point (3/16-1/2")
6-Point (5/32-1/2")
6-Point Deep (1/4-5/16")
6-Point Metric (4-6mm)
12-Point Metric (7-13mm)
Ratchet

3/8" Drive Sockets
6-Point (7/16-11/16")
12-Point (7/16-3/4")
12-Point Deep (7/16-3/4")
6-Point Metric (9-19mm)
12-Point Metric (9-19mm)
6-Point Spark Plug (5/8")
Ratchet, 3" Extensions

1/2" Drive Sockets
12-Point (1/2-13/16")
Ratchet

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-440	85-440 Inch/Metric Socket Set, 82 pc.	$99.00	$89.10

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



STANLEY

118-Piece Socket and Wrench Tool Set

1/4" Drive Sockets
6-Point (5/32 - 1/2")
12-Point (3/16-1/2")
6-Point Deep (1/4-1/2")
6-Point Metric (4-13mm)
6-Point Metric (7-13mm)
Ratchet, 3" Extension, Bit holder
Socket Driver

3/8" Drive Sockets
12-Point (3/8-13/16")
12-Point Deep (3/8-11/16")
6-Point Metric (9-19mm)
12-Point Metric (9-19mm)
6-Point Deep Metric (10-15mm)
6-Point Spark Plug (5/8")
8-Point (1/4-1/2")
Ratchet, 3 and 6" Extensions

1/2" Drive Sockets
12-Point (7/16-13/16")
Ratchet
2 1/2" Extension

Wrenches
Combination (3/8-5/8")

Additional Tools
Slotted 1/4" Hex Bits (5/32, 3/16, 7/32")
Phillips 1/4" Hex Bits (#1, #2)
Torx* 1/4" Hex Bits (T10 - T30)
*Torx® is a registered trademark of Textron

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-361	85-003 Socket and Wrench Set, 118 pc.	$125.00	$112.50

NEW

287-002



287-001



STURTEVANT RICHMONT TORQUE MEASUREMENT SYSTEMS

Adjustable Torque Screwdrivers

➥ Includes NIST traceable calibration certificate

Both drivers accept standard 1/4" hex bits. Right and left-hand rotation. Clutch releases automatically without backlash - cannot over torque. Meets or exceeds ASME B107.14M and ISO 6789 specifications. (USA)

287-001 ExacTorq™ features twist-dial adjustment with positive locking detent to secure selected torque. Tri-lobe handle for increased leverage. 1/4" hex drive bits sold separately.

287-002 29pc Torque Screwdriver Kit features fold-down adjustment key for rapid torque change, or can be preset and locked for use in production. Kit includes torque screwdriver, five hex bits 5/64-9/64", two Posidriv #1-2, five slotted 0-1 through 12-14, four Phillips #0-3, six Torx T10-T40, four square recess #0-3, 1/4" bitholder extension and 1/4" socket adapter in blow-molded case.

Cat. No.	Description	Range	Increments	Each
287-001	Torque Screwdriver	20-100 in. oz.	1 in. oz.	$179.00
287-002	Torque Screwdriver Kit, 29 pc.	2-36 in. lbs.	2 in. lbs.	205.00



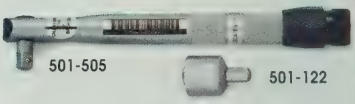
Utica®

Micro-Adjustable Torque Screwdrivers

➥ Torque left or right

The most reliable means for tightening small threaded fasteners. When pre-set torque is reached, the screwdriver goes into freewheeling condition to prevent further torquing of the fastener. Calibrated micrometer scale with spring-loaded locking mechanism assures screwdriver stays set at the desired reading. (USA)

Cat. No.	Range	Increments	Drive	Length	Each
281-100	2-100 in. oz.	2 in. oz.	1/4"	6 3/4"	$215.00
281-003	6-30 in. lb.	1 in. lb.	1/4"	11"	215.00



501-505

501-122

Norbar

Adjustable Mini Torque Wrench

➥ 1/4" hex drive for bits or 1/4" square drive for sockets

Accuracy of ±3% exceeds all standards. Traceable calibration certificate. (UK)

Cat. No.	Description	Range	Increments	Drive	Length	Each
501-505	Mini Torque Wrench	10-50 in. lb.	1 in. lb.	1/4"	6 1/2"	$125.00
501-122	Stepless Ratchet	–	–	–	–	39.00

PROTO Lifetime Warranty



Micrometer Torque Wrenches

➥ Inch and foot pound ➥ Ratchet head
➥ Includes protective blow-molded box

Wrenches are calibrated to ±4% of torque reading clockwise and ±6% counterclockwise at 20% to 100% of full scale. (USA)

Cat. No.	Range	Increments	Drive	Length	Each
185-6062	40-200 in. lb.	1 in. lb.	1/4"	11 1/4"	$170.00
185-6064	40-200 in. lb.	1 in. lb.	3/8"	11 1/4"	165.00
185-6012	20-100 ft. lb.	1/2 ft. lb.	3/8"	16 7/16"	145.00
185-6014	50-250 ft. lb.	1 ft. lb.	1/2"	26 1/4"	175.00

Meets Federal Specs (GGG-W-00686c)

PROTO Lifetime Warranty



Ratcheting Flare Nut Wrench Set

➥ 12 point ➥ 3/8" through 3/4" sizes

Cat. No.	Description	Length	Each
185-3800	Flare Nut Wrench Set, 7 pc.	7 1/4"	$119.00



STANLEY

MADE IN USA

3/8" Drive Hex Bit Socket Set

Contains 1/3, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8" hex bit sockets, clips and rail.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-397	85-397 Hex Bit Socket Set, 7 pc.	$16.00	$14.40

Central®

6" Dial Caliper



Measures outside, inside and depth in inches on large, easy-to-read dial. 6" measuring range. .001" dial increments. 1.6" jaw depth. Fitted case included.

Cat. No.	Description	Each
66-526	Dial Caliper	$65.00

Fowler

Portable Digital Caliper



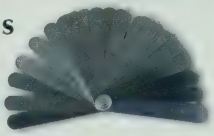
Compact unit measures 5 x 2 1/4" open for easy portability. 0-1.25" (0-31.75mm) capacity. 0.0005" (0.01mm) resolution. Wide-faced blades. Hardened stainless-steel construction. Direct inch/metric conversion. Zero/Hold/Output button. Spring loaded travel. Hanging loop for attachment to belt or chain. Lithium battery included. Three year manufacturer's warranty. Swiss electronics.

Cat. No.	Description	Each
102-500	Snap-Cal Portable Digital Caliper	$109.00

For replacement batteries, see page 282

JENSEN® Feeler Gauges

➥ Inch/metric markings

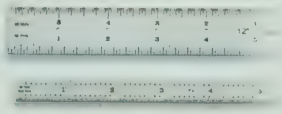


Pen knife blades may be used in or out of the holder. All blades are marked in inch and metric measure.
39-530 has 26 blades; .0015"/.038mm to .025"/.635mm.
14-409 has 11 blades; .0015"/.038mm to .025"/.635mm.
14-407 has 13 blades; .002"/.05mm to .039"/1.0mm. (USA)

Cat. No.	Description	Each
39-530	Feeler Gauge, 26 blades	$4.95
14-409	Feeler Gauge, 11 blades	4.50
14-407	Feeler Gauge, 13 blades	4.50

GENERAL

Stainless Steel Rules



Flexible stainless rules with ground edges. Graduated in 10ths and 100ths on one side and 32nds and 64ths on reverse. (5R)

Cat. No.	Description	Each
39-250	Rule, 6" long	$5.50
39-204	Rule, 12" long	8.75
39-121	Rule, Centerfinding, 12" long	8.00

GENERAL

Stainless Steel Rules



Meets or exceeds Federal regulations GGG-R-791F for accuracy. Satin-chrome tempered steel blades. 5R calibration (10ths, 100ths, 32nds, 64ths).

Part No.	Description	Length	Each
39-184	Stainless Steel Rule	18"	$22.00
39-244	Stainless Steel Rule	24"	34.50



Central®

6" Inch/Metric Electronic Caliper

High-quality 6" (150mm) digital caliper features selectable inch/metric measurement, thumbwheel for accuracy and ease-of-use. Four measurements: inside, outside, depth and step. Hardened stainless steel. Precision-ground and lapped measuring surfaces. Direct inch-metric conversion. 0.0005" (0.01mm) resolution. Includes case and battery. Assembled in USA with Swiss electronics.

Cat. No.	Description	Each
66-220	Inch/Metric Electronic Caliper	$168.00

For replacement batteries, see page 282

Mitutoyo

MyCal-Lite™ 6" Digital Caliper



➥ Stainless steel construction

Inch/metric caliper features large LCD digits for easy reading. Zero point can be set anywhere within measurement range to allow quick comparison measurements. 0-6" (0-150mm) range. 0.001" (0.1mm) resolution. +/-0.005" (+/-0.2mm) accuracy. Low battery and overspeed audible alarms. Depth bar.

Cat. No.	Description	Each
861-113	Digital Caliper	$99.00

For replacement batteries, see page 282

GENERAL

6" Digital Caliper



➥ Fiberglass reinforced polyamide construction

Accurate digital measurements in both inches and mm. Direct reading 0-6"/0-150mm with 0.001"/0.1mm resolution. Measures inside, outside, depth and step.

Cat. No.	Description	Each
39-143	Digital Caliper	$71.00

For replacement batteries, see page 282

Mitutoyo

Solar Powered 6" Digital Caliper



➥ No dead battery risk

Stores energy and operates up to 3 hours in the dark. 5 digit display, 50 micro inch repeatability, inch/mm conversion, zero set, data hold, automatic turn off. 0 to 6", (0 to 150 mm), 1.6" deep outside jaws, .8" deep inside jaws and .15" blade for depth and step measurements. Includes plastic case. Two year manufacturer's warranty.

Cat. No.	Description	Each
861-451	Solar Powered Digital Caliper	$249.00

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FatMax™ Tape Rules

➥ **11' of standout, the longest in the industry**

1 1/4" wide blade for more durability, easier to read graphics, and a stronger, stiffer blade during use. Ergonomic case with cushion grip. Large bumper for increased hook life. Multi-function hooks grab on side, top or bottom, moves to allow accurate inside and outside measurements. Mylar blade coating extends blade life up to ten times longer. (USA)



Cat. No.	Description	Each 1-5	6-11
865-725	FatMax Tape Rule, 25'	$19.95	$18.95
865-726	FatMax Tape Rule, Metric, 26'/8m	19.95	18.95

865-103



CONTRACTOR GRADE™



865-107

MaxSteel Tape Rules

25' Ergonomic Tape is extra heavy-duty and features an exclusive cushion grip built into the case for comfortable, non-slip handling. Impact-resistant case, and Mylar "blanket-wrap" blade-coating, extending the blade life up to ten times. 9' blade standout.

50'/100' Tapes are heavy-duty steel tapes, with an extra strong, 10% thicker blade for longer life. Stainless steel roller cage provides smooth blade action. Mylar coated blade, impact-resistant case. (USA)

Cat. No.	Description	Blade Width	Each 1-5	6-11
865-103	Ergonomic Tape, 25'	1"	$19.00	$17.10
865-105	Heavy-Duty Tape, 50'	3/8"	20.00	18.00
865-107	Heavy-Duty Tape, 100'	3/8"	25.00	22.50

CONTRACTOR GRADE™



865-512



865-244

Levels

Torpedo Levels are 9" long and feature a durable aluminum frame, top read vial window and magnetic strip for hands-free operation. **865-512** illuminates with the push of a button. Both levels are ideal for pipe and conduit work.

Standard Level is 24" long and is a durable, heavy-duty aluminum I-beam frame with large hand holes. Features extra large top read window and magnetic strip. (USA)

Cat. No.	Description	Length	Vials	Each 1-5	6-11
37-730	Torpedo Level	9"	3	$11.50	$10.35
865-512	Lighted Torpedo Level	9"	3	19.50	17.55
865-244	Standard Level	24"	3	18.50	16.65



185-334



23-212

MADE IN USA

BADGE OF THE PROFESSIONAL®

The Stanley POWERLOCK® tape rule case design is a registered trademark of The Stanley Works.

Powerlock® Tape Rules

➥ **Mylar coated blades, less friction, longer life**

Powerlock 30' Tape with 1" blade graduated in 1/16" increments with stud markings in red. 7' blade standout. Positive blade lock.

Powerlock 25' Tape with 1" blade graduated in 1/32" increments for the first 12" and 1/16" thereafter on one edge. Other edge is graduated in millimeters. 7' blade standout. Positive blade lock and power rewind.

Powerlock 16' Tape with 3/4" blade graduated in 1/16" increments on one edge and millimeters on the other edge. Positive blade lock and power rewind.

Powerlock 12' Tape with 1/2" blade graduated on one edge in 1/50" increments for the first 6", and 1/10" thereafter. Other edge graduated in 1/32" and 1/16" respectively. Positive blade lock and power rewind.

Powerlock 12' Tape with 1/2" blade marked on one edge in 1/16" increments and millimeters on the other edge. Positive blade lock and power rewind.

Cat. No.	Description	Blade Width	Each 1-5	6-11
865-430	Powerlock Tape, 30'	1"	$19.50	$17.55
185-334	Powerlock Tape, 25'/7.5m	1"	16.50	14.85
865-158	Powerlock Tape, 16'/5m	3/4"	11.95	10.76
185-332	Powerlock Tape, 12'	1/2"	9.95	8.96
23-212	Powerlock Tape, 12'/3.5m	1/2"	9.50	8.55



CONTRACTOR GRADE™

IntelliSensor™ Pro Stud Sensor

Locates studs and joists and differentiates between wood and metal. Detects live wires for added safety. Registers metal/rebar through 2" of concrete. LED display and audio horn indicate the stud edges and center position for accurate marking. Ergonomically designed heavy-duty ABS construction. Auto calibration. One year warranty.

Cat. No.	Description	Each 1-5	6-11
865-720	IntelliSensor Pro Stud Sensor	$35.00	$31.50

For replacement batteries, see page 282

GREENLEE
Slug-Buster

Manual Knockout Punch Set



- Punch profile splits slugs automatically
- Easy slug removal
- 1" hex head ratchet wrench included
- Use with both 3/8 and 3/4" draw studs

Set includes 6 punch & die sets for following conduit sizes 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2". Also includes ratchet wrench, plus 3/8 x 1 9/16" and 3/4 x 2 15/16" ball bearing draw studs. Plastic storage case. (USA)

Cat. No.	Description	Each 1-4	5-9
64-347	Slug-Buster Manual Knockout Punch Set	$270.00	$236.55

"Adel" Metal Nibbler



Notches, trims, and cuts to any size over 7/16". Easy-to-use with no strain or distortion. Tool capacity: 18 gauge steel, 1/16" aluminum, copper, and certain plastics. (USA)

Cat. No.	Description	Each 1-5	6-11
74-130	Adel Metal Nibbler	$16.95	$15.26
74-133	Replacement Punch	12.50	11.25

IRWIN

Reamer Set



Small size reams holes 1/8 to 1/2"; large size reams holes 1/2 to 1". Removable handle fits both. 3/8" square head for use with socket wrenches. Plastic pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
146-340	Reamer Set	$46.50	$41.85

5-Piece Acu-Min® Scriber/Pick Set

Moody®



Features four different hardened steel points. Available with either a magnetic or non-magnetic non-rolling, hex aluminum handle with sure grip front end. Assembled length is 7 1/2". (USA)

Cat. No.	Description	Each 1-5	6-11
41-223	Scriber/Pick Set w/Non-Magnetic Handle, 5 pc.	$8.95	$8.05
41-224	Scriber/Pick Set w/Magnetic Handle, 5 pc.	9.95	8.96

Pocket Contact Burnishers



JONARD

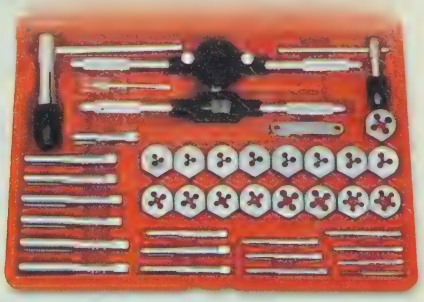
63-082 comes with six flat blades, 1 1/2" long x 11/64" wide and .007" thick.

759-003 comes with six flat blades .0035" thick and six round blades with ball end, .020" diameter. Both tools are 4 1/4" long with blade storage in hollow plastic body. Chuck holds blade in use. (USA)

Cat. No.	Description	Each 1-5	6-11
63-082	Pocket Contact Burnisher w/Flat Blades	$18.95	$17.06
759-003	Pocket Contact Burnisher w/Flat & Round Blades	21.95	19.75
63-084	Replacement Flat Blades, .007", 25/pk.	16.25	14.63
63-085	Replacement Flat Blades, .0035", 25/pk.	16.25	14.63
759-004	Replacement Round Blades, .020", 50/pk.	27.95	25.16

VERMONT AMERICAN

40 Piece Tap & Die Sets



- Inch or metric

Inch Set includes 17 hex dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/4-28, 5/16-24, 3/4-24, 7/16-20, 1/2-20 and 1/8-27 pipe, plug-style taps in same sizes, adjustable die guide stock, adjustable tap wrench, two T-handle tap wrenches, screw pitch gauge, screwdriver and unbreakable polyethylene case. **Metric Set** is similar, with 17 hex dies (5/8 or 1") in sizes 3mm-.50 to 12mm-1.75, matching taps and same accessories and case as inch set. (USA)

Cat. No.	Description	Each 1-5	6-11
146-180	Tap and Die Set, Inch Measure	$122.00	$109.80
146-190	Tap and Die Set, Metric Measure	142.00	127.80

VERMONT AMERICAN

3-in-1 Tap Tool



Quickly forms new threads, re-forms burred threads. Each tap size re-threads to next larger size if threads are stripped. Replaceable tap blade. Includes sizes 6-32, 8-32 and 10-24 taps on single blade. (USA)

Cat. No.	Description	Each 1-5	6-11
40-223	3-in-1 Tap Tool	$14.00	$12.60
40-224	Replacement Blade	8.00	7.20



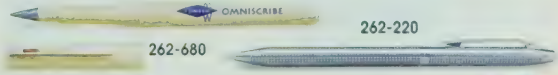
STANLEY

Push Drill

- Speeds drilling

All metal construction. Chrome-plated. Storage handle contains eight drill points, 1/16 to 11/64". Length with drill in chuck is 11 1/2". (USA)

Cat. No.	Description	Each 1-5	6-11
185-015	Push Drill	$35.00	$31.50
865-069	Replacement Drill Points	10.95	9.86



LUNZER

Pocket Diamond & Diamond/Carbide Scriber

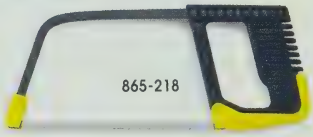
USA

Cat. No.	Description	Each 1-5	6-11
262-680	Pocket Diamond Scriber	$8.95	$8.05
262-220	Diamond/Carbide Scriber	18.95	17.06

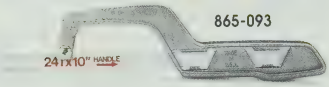
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STANLEY



Saws

Wallboard Saw has ergonomically designed handle and hardened blade with pointed tip for plunge cuts.
Large Hacksaw has a rigid steel frame adjustable for 8-10-12" blades (10" blade included).
Jr. Hacksaw is a compact 6" version for confined areas.
Metal Mini-Hack™ has lightweight, durable aluminum frame. Uses blades from large saw (10" blade included). (USA)

Cat. No.	Description	Blade	Each 1-5	6-11
865-094	Wallboard Saw	6"	$5.00	$4.50
169-156	Large Hacksaw	10"	9.95	8.96
865-218	Jr. Hacksaw	6"	5.50	4.95
865-093	Mini Hacksaw	10"	5.00	4.50
403-236	Blades, Coarse, 2/pk.	12"	1.95	1.75
403-238	Blades, Fine, 2/pk.	12"	1.95	1.75
865-905	Blade for Jr. Hacksaw	6"	2.25	2.02



Nicholson Maintenance File Set

Nine commonly used files with rugged, labeled vinyl pouch. Finest quality construction for rugged industrial applications. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
3-130	Maintenance File Set, 9 pc.	All	$95.95	$86.36
3-131	File, Flat Bastard	10"	11.25	10.13
3-132	File, Mill Bastard	10"	7.50	6.75
3-133	File, Flat Smooth	10"	14.00	12.60
3-134	File, Half-round Bastard	10"	16.00	14.40
3-135	File, Round Bastard	10"	8.95	8.05
3-136	File, Flat Smooth	8"	10.50	9.45
3-137	File, Half-round Bastard	8"	13.00	11.70
3-138	File, 4-in-1 Hand	8"	11.00	9.90
3-139	File, Slim Taper	6"	4.95	4.46
39-890	File Handle	-	5.60	5.04

JENSEN® Lifetime Guarantee

8-Piece File Kit



Compact, versatile file kit for tool box or workbench. Contains adjustable file handle and five 6" files: round medium cut, three-square smooth, mill bastard, hand smooth, half round smooth cut and file cleaner. Vinyl roll pouch.

Cat. No.	Description	Each 1-5	6-11
23-550	File Kit, 8 pc.	$49.00	$44.10
39-890	File Handle only	5.60	5.04

JENSEN® Lifetime Guarantee

8-Piece Needle File Kits



➥ Top quality Grobet-Swiss needle files
➥ Number 2 cut (medium)

Top of the line Swiss needle files in a vinyl storage pouch. Includes round, square, 3 square, equaling, crossing, warding, half round and knife.

Cat. No.	Description	Length	Each 1-5	6-11
14-317	File Kit, 8 pc.	4"	$49.95	$44.95
14-319	File Kit, 8 pc.	6 1/4"	52.00	46.80

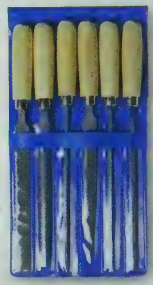
12-Piece Needle File Kit



Swiss needle files in vinyl see-through pouch. Includes flat, oval, round, half-round, warding, and equaling styles. Finest steel for use in precision work.

Cat. No.	Description	Length	Each 1-5	6-11
108-752	File Kit, 12 pc.	5 1/2"	$36.00	$32.40

6-Piece Wood Handle File Set



Fine quality set includes flat, half-round, round, square, triangular and taper styled files to meet almost every need. Easy grip wood handles with 4 1/8" blades. Vinyl pouch. (Germany)

Cat. No.	Description	Length	Each 1-5	6-11
14-096	File Set, 6 pc.	6 1/2"	$18.50	$16.65

JENSEN® Lifetime Guarantee

8-Piece Needle File Set



➥ Swiss quality single cut files

Swiss needle files include #2 medium cut in the following styles: warding, half round, round, square, equaling, tri-square, knife and oval in vinyl fold-up pouch.

Cat. No.	Description	Length	Each 1-5	6-11
1-031	File Set, 8 pc.	5 1/2"	$22.95	$20.66

PROTO

Soft-Face Hammers



No-mar plastic tips protect the work. Hammer has 10 1/4" fiberglass handle. 1" dia. head accommodates two screw-on tips. (USA)

Cat. No.	Description	Color	Each 1-5	6-11
173-015	Hammer with 6 Tips	All	$29.95	$26.95
173-001	Hammer Handle only	–	11.75	10.57
173-003	Soft Tip	Brown	3.50	3.15
173-005	Medium Tip	Red	3.50	3.15
173-007	Tough Tip	Green	3.50	3.15
173-009	Medium Hard Tip	Cream	4.95	4.46
173-011	Hard Tip	Black	4.95	4.46
173-013	Extra Hard Tip	Yellow	4.95	4.46

Dead Blow Hammers

STANLEY



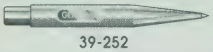
- Soft face
- Non-sparking
- Lifetime warranty

Steel shot inside hammer head reduces shock, delivers extra punch. Will not mar surfaces or absorb liquids. (USA)

Cat. No.	Description	Each 1-5	6-11
185-575	Dead Blow Hammer, Slimline, 14 oz.	$18.95	$17.06
185-576	Dead Blow Hammer, 18 oz.	19.95	17.95
185-577	Dead Blow Hammer, 21 oz.	23.95	21.56



39-254



39-252

Center Punches

39-252 has 3/32" point. 4" long x 5/16" diameter. **39-254** has internal spring releases to make the impression. 5" long x 1/2" diameter. (USA)

Cat. No.	Description	Each 1-5	6-11
39-252	Center Punch	$2.95	$2.65
39-254	Automatic Punch	19.50	17.55
39-255	Replacement Point for 39-254	2.50	2.25

Adjustable Pin Vise



Holds small drills, burrs, wires, files, reamers and other small tools. 3-jaw hardened-steel keyless chuck with 0.040-0.250" capacity. Sturdy plastic handle.

GENERAL

Cat. No.	Description	Length	Each 1-5	6-11
39-093	Adjustable Pin Vise	6 7/8"	$10.75	$9.68

Brass Punch and Cold Chisel Sets



Cold Chisel Set is hand forged of highest quality alloy steels. Conforms to ANSI and ASTM standards. Sizes 1/4, 5/16, 3/8, 1/2, 5/8, 3/4". Fitted vinyl pouch. (USA)

Brass Pin Punch Set for non-marring applications. Knurled handles. Includes sizes 1/4, 3/8, 3/32, 1/8, 3/16, 1/4, 5/16". Fitted vinyl pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
869-002	Cold Chisel Set, 6 pc.	$20.25	$18.23
869-003	Brass Pin Punch Set, 7 pc.	28.50	25.65

Claw Hammers



- 16 oz. head

Combines strength of fiberglass with a high-impact yellow, polycarbonate alloy jacket to prevent overstrike damage. (USA)

Cat. No.	Description	Each 1-5	6-11
185-110	Curved Claw Hammer	$14.50	$13.05
185-518	Straight Ripping Claw Hammer	14.50	13.05



Ball Peen Hammers

STANLEY

Heads are forged, heat-treated, finished and varnished. Hickory handles. (USA)

Cat. No.	Description	Each 1-5	6-11
976-104	Ball Peen Hammer, 4 oz.	$11.95	$10.76
354-108	Ball Peen Hammer, 8 oz.	12.95	11.65
354-112	Ball Peen Hammer, 12 oz.	12.95	11.65
865-116	Ball Peen Hammer, 16 oz.	12.95	11.65



39-075



39-575

Pin Punch Sets

Set of eight steel punches, centerless ground and heat-treated. 4" long with knurled bodies. Sizes: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 and 5/16". Choice of vinyl pouch or wooden case. (USA)

Cat. No.	Description	Each 1-5	6-11
39-075	Pin Punch Set in Vinyl Pouch	$25.95	$23.36
39-575	Pin Punch Set in Wooden Case	33.50	30.15

Hollow Punch Sets



High-quality precision cutting tools for foam, rubber, fiber, plastics or soft metals. Interchangeable cutting heads quickly lock in place with patented chuck system.

SAE set includes sizes 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 9/16, 5/8, 3/4". Metric set includes 3, 4, 6, 8, 10, 12, 14, 16, 18, 20mm. Includes fitted carry case.

Cat. No.	Description	Each 1-5	6-11
869-001	Hollow Punch Set, 11 pc., SAE	$87.00	$78.30
869-010	Hollow Punch Set, 11 pc., Metric	87.00	78.30

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ARROW

ETC50™ Cordless Staple Gun Tacker

NEW



The power of a plug-in tacker without the tangled cord. Flush front gets into tight corners. Rapid-fire operation with jam-proof mechanism. Contoured design for perfect balance. All steel channel and rack for long life. On/off safety trigger lock. LED "fire-ready" indicator. Uses Arrow T-50 flat crown staples below. 84-050 Kit includes staple gun, 7.2V battery pack, charger and rugged storage case. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-050	ETC50K Cordless Staple Gun Tacker Kit	$205.00	$184.50
84-051	ETC50 Cordless Staple Gun Tacker Only*	105.00	94.50
84-052	B7200 7.2V Battery Pack	50.00	45.00
84-053	CG072 Battery Charger	$50.00	$45.00
84-505	T-50 Staples, 5/16", 1250/pk	3.95	3.56
84-506	T-50 Staples, 3/8", 1250/pk	4.25	3.83
84-508	T-50 Staples, 1/2", 1250/pk	4.50	4.05
84-509	T-50 Staples, 9/16", 1250/pk	4.95	4.46

*Staple gun only. Requires 84-052 battery pack and 84-053 charger for use.

ARROW

T-18 Wire Tacker

NEW



➥ **Perfect for small diameter telephone/LAN cable**

For securing up to 3/16" diameter wire and cable. Loads up to 85 staples. Drives tightly on new thin telephone wire. All steel construction with bright chrome finish. One hand operation. (USA).

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-536	T-18 Wire Tacker	$48.95	$39.60
84-535	T-18 Staples, 3/16" dia., 7/16" depth	2.95	2.65

STANLEY

Pro Sharpshooter™ Heavy-Duty Staple Gun

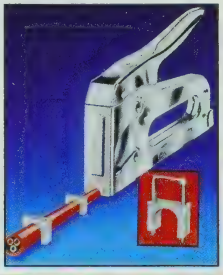


Operates as a staple gun, nailer, cable tacker and screen/canvas specialty tool. Manual, easy-squeeze lever. Dual power, hi/lo for hard or soft materials. Drives Stanley SharpShooter staples and brads. (USA)

Cat. No.	Description	Size	Each 1-5	6-11
145-001	Pro Sharpshooter Heavy-Duty Staple Gun	–	$22.95	$20.66
145-004	Heavy-Duty Staples, 1000/pk.	1/4"	1.75	1.58
145-005	Heavy-Duty Staples, 1000/pk.	5/16"	1.75	1.58
145-006	Heavy-Duty Staples, 1000/pk.	3/8"	1.75	1.58
145-007	Heavy-Duty Staples, 1000/pk.	1/2"	1.95	1.75
145-008	Brad Nails, 500/pk.	1/2"	1.95	1.75

ARROW

T-59 Wire Tacker



➥ **Secures wire with insulated staples**

Allows safe and secure installation of all types of wiring from 1/4" to 5/16" diameter. All steel construction with chrome finish. One-hand operation. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-790	T-59 Wire Tacker	$49.50	$44.55
84-795	T-59 1/4" Insulated Staples, 300/bx.	7.35	6.62
84-796	T-59 5/16" Insulated Staples, 300/bx.	7.35	6.62

STANLEY
CONTRACTOR GRADE™



Glue Pro Professional Glue Gun

Industrial quality electric glue gun features exclusive auto shut-off for safety, reliability and extended life. Dual-heater provides 40% greater glue output. Temperature switch for both high and low temperature glue applications. On/off light and protected nozzle. Cushion grip for comfortable non-slip trigger action. 115VAC.

Cat. No.	Description	Each 1-5	6-11
145-003	Glue Pro Professional Glue Gun	$25.00	$22.50
145-009	Glue Sticks, 4" Standard Clear, 24/pk.	2.50	2.25
145-011	Glue Sticks, 4", Super Strength, 30/pk.	3.50	3.15

ARROW

Staple Gun Tacker



➥ **Secures round wires fast**

All steel with chrome finish. Two sizes, for 1/4" and 1/2" diameter wire and cable. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-770	T-25 Staple Gun Tacker, 1/4"	$39.50	$35.55
84-780	T-75 Staple Gun Tacker, 1/2"	39.50	35.55
84-775	T-25 Staples, 1/4" diameter, 7/16" depth	9.95	8.96
84-785	T-75 Staples, 1/2" diameter, 5/8" depth	5.50	4.95



Electrician's Scissors

- Double stripping notches
- 5 1/4" long (USA)

Cat. No.	Description	Each
14-467	Smooth Blade	$9.25
320-175	Serrated Blade	10.50



All Purpose Utility Snips

- Cut wire, aluminum, tile, plastics and more

Cat. No.	Description	Each
548-757	Utility Snips	$6.50



Right-Handed Shears

- Stainless steel blade
- 8" long (USA)

Cat. No.	Description	Each
51-451	Shears	$14.75



Ceramic Scissors

- Never need sharpening
- Trims Kevlar
- 5 1/2" long

Cat. No.	Description	Each
195-124	Ceramic Insert	$38.50
195-140	Ceramic Blade	45.00



Hemostat Gripper Pinch-Off Tools

- Stainless steel with coated handles
- Four position lock

Cat. No.	Description	Length	Each 1-5	6-11
891-594	Hemostat Set, 4 pc.	-	$39.95	$35.95
891-550	Hemostat Straight	6 1/4"	7.95	7.16
891-554	Hemostat Straight	10 3/4"	13.95	12.56
891-560	Hemostat Bent Nose	6 1/4"	7.95	7.16
891-564	Hemostat Bent Nose	10 3/8"	13.95	12.56



All-Purpose Hemostats

- Available in straight or curved jaws

Stainless steel, box-joint construction, serrated tips and multi-purpose snap locks.

Cat. No.	Description	Length	Each 1-4	5-11
23-022	Straight Hemostats Set, 4 pc.	3 1/2, 5, 6, 7"	$24.95	$19.96
23-024	Curved Hemostats Set, 4 pc.	3 1/2, 5, 6, 7"	25.85	20.68
112-005	Straight Hemostats	3 1/2"	5.95	4.76
112-015	Curved Hemostats	3 1/2"	6.25	5.00
112-025	Straight Hemostats	5"	7.50	6.00
112-035	Curved Hemostats	5"	7.75	6.20
112-020	Straight Hemostats	6"	7.75	6.20
112-030	Curved Hemostats	6"	7.95	6.36
112-040	Straight Hemostats	7"	8.75	7.00
112-050	Curved Hemostats	7"	8.95	7.16



Low Fatigue Electrician's Snips

NEW

Finally an electrician's scissor which isn't painful to use. Unique large, padded ring adds leverage and spreads pressure. Fits the hand better for less fatigue. New ice-tempered stainless steel construction means no rust, peeling, discoloration, irritation. Serrated with strip notches. (USA)

Cat. No.	Mfr. No./Description	Each
458-150	150 Large Ring Electrician's Snips	$16.00



Ergo Shears

- Trims Kevlar®
- Spring action

Spring action reopens shears automatically to reduce fatigue. Serrated blades, cushion grip handles with lock. Cuts Kevlar, abrasive fiber and fine wire. For both right or left hand use. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
458-744	Ergo Shears	6 1/2"	$24.50	$22.05



FISKARS® Softouch® Shop Shears

NEW

Ergonomically designed cutting tool features innovative cushion grips to minimize fatigue during repetitive use. Lightweight and well balanced. Flat bottom handle allows smooth sliding across cutting material. 4 1/2" blade length. 12" overall length.

Cat. No.	Description	1-5	6-11
51-792	Shop Shears, 4 1/2"	$19.95	$17.95



General-Purpose Shears

NEW

Ergonomically-designed soft flexible handles for comfort and reduced fatigue. Lightweight. Accommodates gloved hands. 4" blade length. 9" overall length.

Cat. No.	Description	1-5	6-11
4-100	General Purpose Shears, 9"	$12.95	$11.65

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Precision Tweezers

Jensen quality industrial-grade tweezers feature anti-magnetic, anti-acid stainless steel construction. Low-glare satin finish. Precision tips are perfectly aligned. Standard tension.

Cat. No.	Style	Length	Each 1-5	6-11	12-24
606-100	00	4 3/4"	$7.75	$6.97	$6.82
606-002	2A	4 3/4"	7.75	6.97	6.82
606-003	3	4 3/4"	7.75	6.97	6.82
606-005	5	4 1/4"	7.75	6.97	6.82
606-006	6	4 1/2"	7.75	6.97	6.82
606-007	7	4 1/2"	7.75	6.97	6.82

For additional quantity pricing, contact Jensen Sales at 800-426-1194.



JENSEN® Lifetime Guarantee

DUMONT® Hi-Tech Swiss Tweezers



Legendary Dumont quality in a fine mid-priced tweezer. Excellent finish and balance. Available in either stainless steel or non-magnetic stainless steel. (Switzerland)

Stainless Steel						Anti-Magnetic Stainless Steel			
Cat. No.	Each 1-5	6-11	12-24	Style	Length	Cat. No.	Each 1-5	6-11	12-24
803-100	$11.50	$10.35	$10.12	00	4 1/2"	803-010	$11.00	$9.90	$9.68
803-001	11.00	9.90	9.68	1	4 3/4"	803-011	10.00	9.00	8.80
803-002	11.50	10.35	10.12	2A	4 3/4"	803-012	11.00	9.90	9.68
803-003	14.00	12.60	12.32	3	4 3/4"	803-013	14.00	12.60	12.32
803-005	13.50	12.15	11.88	5	4 3/8"	803-014	15.00	13.50	13.20
803-006	17.00	15.30	14.96	6	4 1/2"	803-016	18.00	16.20	15.84
803-007	15.50	13.95	13.64	7	4 1/2"	803-017	15.50	13.95	13.64
803-072	16.00	14.40	14.08	Diamond	6 1/2"	–	–	–	–

For additional quantity pricing, contact Jensen Sales at 800-426-1194.

21-002



31-431



JENSEN® Lifetime Guarantee

Specialty Tweezers

MADE IN USA

Cat. No.	Description	Each
21-002	Boley Style Tweezer, 4 7/8"	$7.95
31-431	Reverse-Action Tweezer, 4"	4.95

JENSEN® Lifetime Guarantee

Stainless Steel Precision Tweezer Kit

Fine quality tweezers manufactured from iron-chromium alloy stainless steel. Precision shaped and hand finished. Set includes styles 2A, 3, 00, Diamond, 6, and 7 in padded zipper case. (Switzerland)

Cat. No.	Description	Each
1-580	Precision Tweezer Kit, 6 pc.	$99.00
54-168	Zipper Case Only	18.00





Grobet All-Purpose Tweezer Kit

MADE IN USA

Five basic tweezers: 4 1/2" pointed, 4 3/4" stamp, 6" forceps, 6" utility, and 6 1/2" self closing. Long life nickel-plated steel resists corrosion. Storage pouch.

Cat. No.	Description	Each
31-936	All-Purpose Tweezer Kit, 5 pc.	$18.95

Tweezer Styles

A variety of styles to suit almost every need. Used in watchmaking, microscopy, micro-electronic production, semi-conductor, white room operations, instrument assembly and more.



00 Utility-type tweezer with very strong flat tips and legs.



1 Slender general-use tweezer with strong, sharply pointed tips.



2A For use on semiconductor wafers. Long, thin, smooth-surfaced rounded tips.



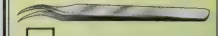
3 Finely pointed tips accurately position miniature parts.



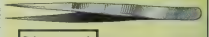
5 Needle-like, very thin tips for handling microscopic parts.



6 Sharp, fine bent tips for inserting and retrieving miniature parts.



7 Very thin curved tips for working on microminiature assemblies.



Diamond Strong serrated tips for parts handling.



4-Prong & Magnetic Retrieval Tools



Magnetic retrievers feature strong Alnico magnets to securely retrieve parts from hard-to-access places. Your choice of telescoping, fixed or flexible styles. **69-021** and **69-088** have articulating arm. **4-Prong Retrievers** are flexible and operate with push-button retractable hook prongs to securely grip objects.

Cat. No.	Description	Length	Each 1-5	6-11
69-021	Magnetic, Telescoping	15"	$8.25	$7.42
69-088	Magnetic, Telescoping	20"	6.25	5.63
39-384	Magnetic, Telescoping	24"	7.25	6.53
69-019	Magnetic, Fixed	6"	3.25	2.92
39-395	Magnetic, High-power, Flexible	24"	6.25	5.63
60-265	4-Prong Retrievers	24"	4.50	4.05
69-017	4-Prong Retrievers	13 1/2"	5.25	4.72

Pocket 3-Prong Retrieval Tool



➥ **Pick up or hold small parts**

Depress plunger and three spring steel wires open to 1 1/8" for grasping small parts. Nickel-plated brass body.

Cat. No.	Description	Length	Each 1-4	5-11
31-300	Parts Holder	5 3/4"	$5.50	$4.40



JONARD Spring Tools

➥ **Remove, retrieve, and install springs**

Cat. No.	Description	Type	Length	Each 1-5	6-11
156-131	Spring Tool	Combination	8"	$3.50	$3.15
759-145	Spring Tool	Captive	7"	10.95	9.86
63-077	Spring Tool	Pull	6"	3.50	3.15
63-079	Spring Tool	Push	6"	3.50	3.15



4-Piece Dental Explorers Set

Four professional double-end dental picks, including one each of four popular styles. Brightly polished stainless steel. (Germany)

Cat. No.	Description	Length	Each 1-5	6-11
197-004	Dental Explorers Set, 4 pc.	6 1/2"	$26.95	$24.25



Inspection Mirrors

Cat. No.	Description	Length	Magnifier	Each 1-5	6-11
891-501	Mirror, Lighted	18"	–	$24.95	$22.45
891-180	Mirror, Lighted	18" Flex	✓	29.95	26.95
35-018	Mirror, 2 x 3 1/2"	11-15"	–	7.25	6.53
69-002	Mirror, 2 x 3 1/2"	11-15"	✓	11.25	10.13
129-109	Mirror, 2 1/4"	10-14"	–	7.25	6.53
69-001	Mirror, 2 1/4"	10-14"	✓	10.75	9.68
69-022	Mirror, Magnet	5-19"	–	7.75	6.97
69-099	Mirror, 1 x 2"	5-19"	–	7.25	6.53
35-016	Mirror, 7/8"	7 1/2"	–	4.25	3.83



CARICA™ Extraordinary Innovations.

Inspection and Retrieval Tool Kits

High-quality kits feature interchangeable mirrors, magnifiers and retrieval magnets with quick-change mounts and telescopic handle. Shatter-resistant acrylic inspection mirrors and magnifier. Powerful rare-earth magnets with retractable PowerHed™ reduces side pull by 99.9%. Sets include fitted storage case. (USA)

242-001 - Deluxe Lighted Inspection Kit: High-intensity krypton flashlight handle with one-hand adjustment from flood to spot Stainless telescopic shaft adjusts 7-32". Designed for heavy vertical weight pickup. 3 1/2 x 2 1/4", 2 1/2 x 1 3/4", 2 1/2 x 3/4" inspection mirrors; 2 1/2 x 1 3/4" 3X inspection magnifier; 3 lbs. and 14 lbs retrieval magnets.

242-002 - Standard Inspection Kit: Cushion-grip telescopic handle adjusts 7-32". Includes 2 1/2 x 1 3/4" inspection mirror, 2 1/2 x 1 3/4" 3X inspection magnifier, 3 lbs. and 14 lbs. retrieval magnets

Cat. No.	Mfr No./Description	Each
242-001	TK5000 Deluxe Lighted Inspection Kit, 7 pc	$56.00
242-002	TK6000 Standard Inspection Kit, 5 pc.	34.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

DEWALT

NEW

1/2" 24-Volt Heavy-Duty Drill/Hammerdrill Kit



Combines drill and hammerdrill functions in one powerful tool. 550in./lbs. of torque. All metal chuck with carbide-tipped jaws prevents bit slippage in high-torque and hammerdrilling applications. 360° side handle. Dual-range, variable speed 0-450 RPM and 0-2,000 RPM. 0-7650 and 0-34,000 BPM. 1/2" steel, 2 9/16" wood and 1/2" concrete capacity. 8.4 lbs. Kit includes drill, battery charger, XR PACK® high-capacity battery pack, side handle and storage/carry case.



Optional 836-008 AC/DC Power Adapter installs on drill in place of battery and allows operation from 120VAC. (USA)

Cat. No.	Mfr. No./Description	Each
836-006	DW006K/1/2" 24V Heavy-Duty Drill/Hammerdrill Kit	$419.00
836-007	DW0240/Replacement 24V Battery Pack	145.00
836-008	DW0247/Optional AC/DC Power Adapter	165.00

DEWALT



3/8" 12-Volt Cordless Drill/Driver

Heavy-duty drill/driver is compact and lightweight. 190 in./lbs. torque. Adjustable clutch. Dual-range, variable speed: 0-400 RPM and 0-1200 RPM. Reversible. T-handle design for excellent balance. Includes drill/driver, two battery packs, charger, screwdriver bit and high-strength carrying case. 115VAC charger. 3.8 lbs. One year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
836-953	DW953K-2 3/8" 12V Cordless Drill/Driver	$269.00
836-954	Replacement 12V Battery Pack	60.00

Makita

3/8" Cordless Driver/Drill

- Adjustable clutch w/11 torque settings
- One-hour fast charger



7.2V battery provides plenty of power without the bulk or weight of larger tools. Variable speed with two ranges, 0-200 and 0-600 rpm. Reversible. Keyless chuck. Complete with drill, battery pack, charger, two double-ended Phillips bits and rugged tool case. 115VAC charger. Well balanced drill weighs 2.5 lbs. One year manufacturer's warranty.

Cat. No.	Description	Each
882-019	3/8" Cordless Driver/Drill Kit	$154.00
882-632	Replacement 7.2V Battery Pack	41.25
882-113	Replacement Fast Charger	67.00

DEWALT

1/2" 18-Volt Heavy-Duty Cordless Drill/Driver



- Now with XR+ Pack Extended Run-Time Batteries

XRP™ upgrade of the popular Dewalt 18-volt high-performance drill/driver features extended runtime batteries, 1/2" single-sleeve keyless chuck and automatic spindle lock. Upgraded high-torque motor with 400 in./lbs. torque. Anti-slip comfort grip. T-handle design for excellent balance. Dual range reversible, 0-450/0-1600 RPM. Adjustable clutch. Five steel-planet transmission and copper plated switch for reliability. Includes drill/driver, two XR+ battery packs, 1-hour charger with Tune-Up™ mode, double-ended screwdriver bit, heavy-duty carrying case. 115VAC charger. 5.6 lbs. One-year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
836-997	DW995K-2 1/2" 18V Heavy-Duty Cordless Drill/Driver	$375.00
836-998	Replacement 18V Battery Pack	128.00

Makita

Cordless Driver/Drills



- 287 in./lbs. torque

882-702 features 3/8" chuck.
882-707 features 1/2" chuck.

Extra high-capacity 2.0 amp/hr. battery technology. Dual range speed control 0-450 and 0-1400 RPM. Reversible. User replaceable external brushes. Includes drill, two battery packs, charger, two reversible Phillips/slotted bits and rugged tool case. Well-balanced drill weighs 4.4 lbs. One year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
882-702	6213 DWAE 3/8" 12V Cordless Driver/Drill Kit	$295.00
882-707	6313 DWAE 1/2" 12V Cordless Driver/Drill Kit	305.00
882-717	Replacement 12V Battery Pack	67.00
882-722	Replacement 115VAC Universal Charger, 7.2-14.4V	92.00

Makita

1/2" 18-Volt Cordless Driver-Drill Kit



Powerful, well-balanced drill delivers 404 in. lbs. of torque. 2.0-Ah battery delivers long run time between charges. Industrial metal gear housing. 18 torque settings. 1/2" keyless chuck. Built-in screwdriver bit holder. Dual range, variable speed: 0-450 and 0-1400 RPM. Reversible. 5.5 lbs. Kit includes driver-drill, two 18-volt battery packs, universal charger (also charges other Makita battery packs 7.2-18V), Phillips/slotted bit, side grip, depth gauge and rugged carrying case. One year manufacturer's warranty. (USA)

Cat. No.	Description	Each
882-634	1/2" 18-Volt Cordless Driver-Drill Kit	$357.00

DEWALT

3/8" Variable-Speed Reversible Drill



0-2500 RPM. Powerful 5.4-amp motor and all ball-bearing construction for durability. Contoured textured handle for better grip. Built-in two-way level for accurate vertical and horizontal drilling. Heavy-duty Jacobs® keyless chuck. 115VAC. (USA)

Cat. No.	Description	Each 1-5	6-11
836-106	3/8" Variable-Speed Reversible Drill	$99.00	$89.10

DEWALT

Heavy-Duty 1/2" VSR Drill

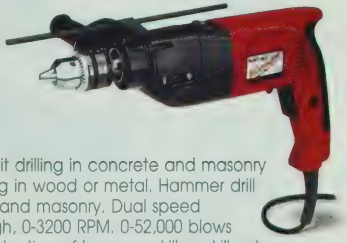


Rugged corded drill features 7.8 amp heavy-duty motor and helical-cut steel heat-treated gears. Metal gear housing. Rubber grip and two-finger rubber trigger for increased comfort. Jacobs® keyless chuck with spindle lock. 360° side handle. 0-850 RPM. Reversible. 115VAC. One year manufacturer's warranty. (USA)

Cat. No.	Description	Each
836-236	Heavy-Duty 1/2" VSR Drill	$215.00

Milwaukee

1/2" Corded Hammer Drill



For percussion carbide-bit drilling in concrete and masonry or drilling without hammering in wood or metal. Hammer drill up to 7/8" holes in concrete and masonry. Dual speed range: Low, 0-1350 RPM; High, 0-3200 RPM. 0-52,000 blows per minute. Turn collar for selection of hammer drill or drill only. Adjustable depth rod and side handle. Double insulated. 6.5 amp motor. 115VAC. (Germany)

Cat. No.	Mfr. No./Description	Each
306-378	5378-20 1/2" Corded Hammer Drill	$185.00

Makita

Cordless Reciprocating Saw



Compact and lightweight. Cuts drywall, wood, steel, pipe and more. 2700 SPM with 9/16" stroke. Includes saw, battery, charger, steel and wood blades and hex wrench. 9.6V, 1.3A/hr battery. 3.1 lbs. 115VAC charger. One year manufacturer's warranty.

Cat. No.	Description	Each
882-439	9.6V Cordless Reciprocating Saw	$159.00
882-440	Replacement blades, wood, 5/pk.	11.25
882-441	Replacement blades, metal, 5/pk.	12.50

Milwaukee

115VAC 230VAC

1/2" 14.4-Volt Power-Plus Cordless Driver/Drill



Powerful driver/drill features rare-earth motor developing 280 in./lbs. maximum torque. Pistol-grip handle with soft-grip pad for comfort. Dual range, variable speed: 0-450 RPM and 0-1250 RPM. Reversible. 19-position clutch. Reversible battery pack creates clearance to fit tight work spaces and adjust balance. 1.7 amp-hr. battery. one hour charger. Includes driver/drill, two battery packs, charger and impact resistant carrying case. 4.75 lbs.

Cat. No.	Mfr. No./Description	Each
306-511	0511-21 1/2" 14.4V Cordless Driver/Drill, 115VAC	$299.00
306-512	0511-51 1/2" 14.4V Cordless Driver/Drill, 230VAC	319.00
306-513	Replacement 14.4V Battery Pack	74.00

Milwaukee

Hole-Shooter Corded Drills



Heavy-duty construction with helical cut, heat-treated gears. Aluminum gear case. Trigger speed control. Reversing. 0-1000 RPM, 3/8" drill, 0-850 RPM, 1/2" drill. High-strength impact-resistant handle. 115VAC. (USA)

Cat. No.	Mfr. No./Description	Each
306-228	0228-6 3/8" Hole-Shooter Corded Drill	$165.00
306-234	0234-6 1/2" Magnum Hole-Shooter Corded Drill	185.00

DEWALT

3/8" 12-Volt Cordless Right-Angle Drill/Driver Kit

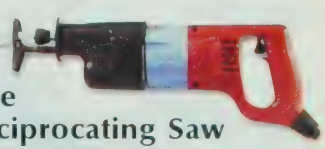


Features 180 in/lbs. torque for turning large drill bits and fasteners in tight confines. Dual-range, variable speed: 0-400 RPM and 0-1200 RPM. Reversible. Sealed ball bearing construction with cut-steel gears. Comfortable grip and rubber trigger. Includes drill/driver, one hour charger, battery pack and high-strength carrying case. 115VAC charger. 4.1 lbs. One year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
836-965	DW965K 3/8" 12V Cordless Right-Angle Drill/Driver Kit	$270.00
836-954	Replacement 12V Battery Pack	60.00

Milwaukee

High-Performance Sawzall® Plus Reciprocating Saw



Cuts any sawable material. No starting hole needed for plunge cuts. Heavy-duty construction with all ball and roller bearings. Aluminum gear case. Trigger variable speed control. 0-2800 strokes per minute. Reversible blade. Quick shoe adjustment. Quik-Lok™ blade clamp for fast, easy blade changes. 6.5 amp motor. 8', 3-wire Quik-Lok detachable cord. Includes Sawzall, 2-blade pack and steel carrying case. (USA)

Cat. No.	Mfr. No./Description	Each
306-517	6517-20 Sawzall Plus Reciprocating Saw, 115VAC	$229.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
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Portable Electric Band Saw

Powerful 6-amp motor provides high performance under the toughest cutting conditions. Ideal for cutting pipe, conduit, track, raceways and a wide variety of material. Bi-metal blade. All ball and roller bearing construction with dynamically balanced armature. Worm-gear and chain-drive mechanism provides optimum torque transfer. Well balanced design puts center of balance directly over blade. Front T-handle. Open line-of-sight cutting. Blade tightening lever provides quick and easy blade change. Two-speed 250/200 surface ft/min. 3 1/2" round stock and 3 1/2 x 4 1/2" angular stock capacity. 16 lbs. Includes steel carrying case. (USA)

Cat. No.	Description	Each
306-100	Portable Electric Band Saw	$379.00

BOSCH

Spiracut® Rotary Cutter Kit



➥ **Great for electricians, wire/cable installers**

Produces fast, clean cutouts in a wide variety of building materials. Use to make in-place cutouts for electrical outlets, windows, pipes, etc. Compact, ergonomic design, easy and comfortable to use. Powerful 3.6-amp motor. Removable depth guide; adjusts, attaches/detaches in seconds. Accepts 1/4" and 1/8" collets directly, no adapters required. 10' power cord. Kit includes rotary cutter, two collets, two burr bits, and general purpose bit, two drywall bits, and window/door opening bit, circle cutter, depth guide, wrench and rugged storage case. One year manufacturer's warranty. (USA)

Cat. No.	Description	Each
144-638	Rotary Cutter Kit	$139.00

DREMEL®

Dremel Professional High-Speed Rotary Tool



Variable speed tool features electronic feedback controller enhancing performance at low and mid-speed. Digital LCD readout displays tool speed with 1000 rpm increments. 5,000 - 30,000 rpm. Up/down pushbutton speed control. "Soft Start" feature. Lightweight, balanced and ergonomic design is easy to handle. Ball bearing construction. High-volume fan and replaceable motor brushes. 10' power cord. 10-piece accessory assortment and rugged storage case. Five year manufacturer's warranty. (USA)

Cat. No.	Description	Each
22-981	Professional High-Speed Rotary Tool	$190.00

DREMEL®

Engraver



Marks tools, equipment, materials of all kinds, even glass. Easy-to-use with controls for depth of engraving. High-speed reciprocating motor provides 7200 strokes/min. Nylon housing. Replaceable carbide tip. (USA)

Cat. No.	Description	Each
22-320	Engraver, 115VAC	$25.50
22-924	Replacement Carbide Tip	6.20
22-929	Replacement Diamond Tip	9.95

DREMEL®

Variable Speed MultiPro™ Kit



➥ **72 accessories to grind, sharpen, drill, polish, sand & more**

Variable speed 5,000-30,000 rpm. Fingertip control allows operator to match speed to work being done. Double insulated motor. Large air vents and high velocity fan assure cool operation. Ball-type thrust bearings and balanced design provide smooth, quiet operation. Includes 72-piece accessory kit, 96 page user's guide with accessory index and durable molded case. 7 3/16 x 1 7/8", 18 oz. tool. (USA)

Optional Accessories greatly enhance the versatility of your MultiPro

22-225 Flex-Shaft Handpiece: 36" long with 1/2 " slim handpiece for comfortable work in hard-to-reach places. Optional tool stand (below) recommended.

22-222 Tool Stand: Suspends MultiPro tool above work area for convenient use with Flex-Shaft handpiece or easily accessible tool storage.

22-212 Drill Press Stand: Converts your MultiPro into a bench drill press. Rack & Pinion tool feed. Easily converts to horizontal tool stand.

22-500 Collet Set: 4 pc., 1/32 - 1/8" collets for fine drilling.

22-565 Spiral Cutting Kit: Attaches to MultiPro to easily cut openings in drywall, wood, plastics, etc. Spiral bits cut quickly. Adjustable depth of cut.

22-609 Cut-Off Wheel Assortment: 63 assorted cut-off wheels and mandrels. Cuts steel, plastics, composites, etc.

Cat. No.	Mft. No./Description	Each
22-955	3962 MultiPro Kit	$130.00
22-225	225 Flexible Shaft with Handpiece	39.50
22-222	2222 Tool Stand	39.50
22-212	212 Drill Press Stand	59.00
22-500	Collet Set, 4 pc.	10.95
22-565	565 Spiral Cutting Kit	21.95
22-690	690 Cut-Off Wheel Assortment, 63 pc.	15.50

Panasonic



3.6V Cordless Screwdriver Kit

Powerful, compact screwdriver features 39 in. lbs. torque and 22-stage clutch offering torque accuracy within +/- 5%. Included calibration chart indicates torque for each clutch setting, from 2.6 in. lbs. on lowest setting up to 26 in. lbs. on highest setting. Auto shut-off clutch extends battery and clutch life by immediately stopping rotation once torque setting is reached. Dual speed 200/600 RPM reversible. 3.6V, 1.2Ah battery. Includes driver, 15 minute fast charger, battery pack, #1 and #2 Phillips bits. One year manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
271-275	3.6V Cordless Screwdriver Kit	$179.00	$161.10
271-276	Replacement 3.6V Battery Pack	40.00	36.00
271-623	Replacement 15-minute Battery Charger	89.00	80.10

Battery charger will charge both 2.4 and 3.6V Panasonic brand batteries.

Cordura Carrying Case for Cordless Screwdrivers

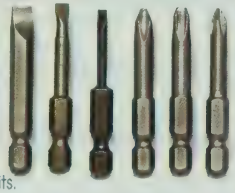


Tools sold separately

Rugged soft-sided case has plenty of room for driver, charger, spare battery pack and accessories. Fits 271-503, 271-275 and 144-747 cordless drivers on this page. (USA)

Cat. No.	Description	Each
216-618	Carrying Case for Cordless Screwdrivers	$29.00

JENSEN Cordless Screwdriver Accessory Set



Set of six 2" long, screwdriver bits. Contains three Phillips bits, #1, #2, #3 and three slotted bits, 1/8, 5/32, 1/4". For use with all tools with 1/4" female hex drive. (USA)

Cat. No.	Description	Each
945-373	Cordless Screwdriver Bit Set, 6 pc.	$6.95



306-872



306-791

Accessory Chucks for Cordless Screwdrivers

Fits all cordless drivers that accept 1/4" hex drive bits. **Offset Driver** allows fastening and removal of screws in channels, under edges or in any area where a regular screwdriver cannot fit. **Keyless Chuck** with 1/4" capacity allows drilling with your cordless screwdriver. (USA)

Cat. No.	Description	Each
306-791	Offset Driver	$25.00
306-872	Keyless Chuck	10.00

Panasonic



2.4V Cordless Screwdriver Kits

- Adjustable torque: 3.5-26 in./lbs.
- Converts from stick to pistol form
- Accepts 1/4" hex drive bits

Powerful, lightweight screwdriver features forward and reverse operation, two speeds (200/400 rpm) and six clutch settings. 2.4V battery pack. **271-503** comes with a standard one-hour charger and battery pack. **271-622** comes with a 15-minute charger and battery pack. Both models include one slotted and two Phillips screwdriver bits which store inside charger. One year manufacturers warranty.

Cat. No.	Description	Each
271-503	Cordless Screwdriver with One-Hour Charger	$119.00
271-622	Cordless Screwdriver with 15-Minute Charger	152.00
271-021	Replacement Battery Pack	32.95
271-504	One-Hour Charger, 115VAC/2.4VDC	46.95
271-623	15-Minute Charger, 115VAC/2.4VDC	89.00



Flexi-Charge® Cordless Screwdriver

SKIL

3.6V power at 180 rpm (forward or reverse). Uses standard 1/4" hex drive screwdriver bits or double ended Phillips/slotted bit provided. 1/4" collet holds bits magnetically, uses one battery pack included.

Complete with battery pack, charger, and owner's manual. One year warranty.

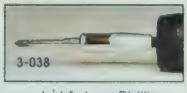
Cat. No.	Description	Each
144-747	Cordless Screwdriver	$58.00
144-940	Spare 3.6V Battery Pack	19.95

XCELITE

Power Drive 99 Series Screwdriver/ Nutdriver Set



3-129



3-038

This unique set is designed for use with a 1/4" hex drive cordless screwdriver. Set contains an adapter, 1/4" hex male to 99 Series female, seven nutdrivers; 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8"; two slotted screwdrivers; 3/16 and 1/4"; two Phillips screwdrivers; #1 and #2 and a plastic storage pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
3-129	99 Series Screwdriver/ Nutdriver Set, 12 pc	$26.95	$24.07
3-038	1/4 Hex-to-99 Series Adapter*	6.50	5.85

*3-038 adapts any 1/4" female hex drive tool to Xcelite 99 Series 1 on pages 204-206.

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



217-020



217-010

Drill & Drive System

➥ **Change bits twice as fast as conventional chucks**

Chuck in quick-change connector and included bits and drivers change in a snap. Works with any drill.

217-010 15 Piece set includes 1/4" quick-change connector, 1/16, 5/64, 3/32, 7/64, 1/8, 5/32, 3/16" quick-change drill bits, Phillips #1, #2, #3; Slotted 5-6, 6-8; Robertson #1, #2 2" long bits. Fitted case.

217-020 25 Piece set includes 1/4" quick-change connector; two each 1/16, 1 1/8, 3/16" quick-change drill bits, one each 5/64, 3/32, 7/64, 9/64, 5/32 drill bits; Phillips #1, #2, #3; slotted 5-6, 6-8; Robertson #1 x 1"; screw guide; #10 x 1/8" reversible countersink insert with Philips #2; drill and drive body; two replacement 7/64" drill bits. Fitted case.

Cat. No.	Description	Each
217-010	Drill and Drive System, 15 pc.	$32.00
217-020	Drill and Drive System, 25 pc.	49.50

Makita Power Screwdriver Accessories

➥ **Expand the usefulness of your cordless drill**



Finder/Driver™ Screwstarter Set: Interchangeable magnetic bits hold the screw head, retracting shroud steadies the screw body. Set includes long and short Finder/Driver, two #2 Phillips, one #1 Phillips, 6-8 slotted bits, 1/4" nutsetter. (USA)

25-Piece Power Screwdriver Accessory Pack: Quad-Driver™ allows quick bit change. Use with power screwdriver or included handle. Includes Quad-Driver shaft, manual handle, two reversible bit holders, stubby Finder/Driver, "Vision" Finder/Driver, Finder/Driver adapter for use with Quad-Driver, 1/4" nutsetter and 18 Phillips, slotted, Torx and Robertson bits. Durable plastic storage case. (USA)

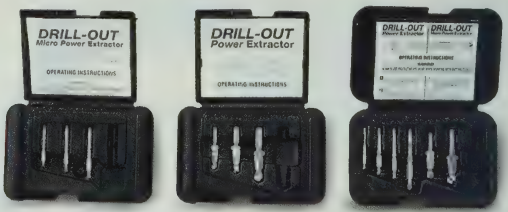
Cat. No.	Description	Each
882-810	Finder/Driver Screwstarter Set	$16.50
882-823	Power Screwdriver Accessory Pack, 25 pc.	49.50

Bucket Boss Brand Power Drill Holster



Holds a regular corded or 9.6-18 volt cordless drill. Slides on belts up to 2 1/2" wide. Retaining strap holds drill securely. Well padded for comfort. Multiple exterior pockets to hold bits and accessories. Rugged construction of Anso®-tex nylon with riveted stress points.

Cat. No.	Description	Each
51-006	Power Drill Holster	$14.00

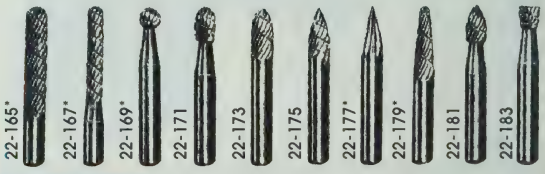


55-402 55-401 55-403

Drill-Out® Power Extractor Sets

Drill and extract up to grade 8 bolts, class 5.6 to 10.9 and stainless steel. The drill point eliminates walking, no centering tools needed. Use with 3/8" VSR drill. **55-401** includes sizes 1/4"/M6, 5/16"/M8, 3/8"/M10, 1/2"/M12. **55-402** includes sizes #5/M3, #8/M4, #10/M5 and 1/4"/M6. **55-403** includes all the above bits. Compact storage case included. (USA)

Cat. No.	Description	Each 1-5	6-11
55-401	Regular Drill-Out Set	$69.95	$62.95
55-402	Micro Drill-Out Set	59.95	53.95
55-403	Master Drill-Out Set	99.95	89.95



DREMEL®

Tungsten Carbide Cutters

Outlast high-speed steel cutters many times over. Shanks are 1/8" diameter and heads do not exceed 1/8" across. Specify style desired (by number). Also available in a 5 piece set containing the five cutters marked with an *. (USA)

Cat. No.	Description	Each
22-925	Tungsten Carbide Cutter Set, 5 pc.	$31.95
Specify per above	Tungsten Carbide Cutter	6.50

X-OUT Damaged Screw Remover Set



Quickly and easily removes fasteners with damaged screw heads. Designed to be used with standard 3/8" or larger power drill/drivers. Unique design plows into the screw and turns it out in one operation. No drilling required. Works with many screw types including Phillips, Torx, Robinson, One-way, etc. Includes three different sizes and molded storage case. (USA)

Cat. No.	Description	Each
55-201	X-OUT Damaged Screw Remover Set	$24.95

HANSON®
High Speed Drill Sets

MADE IN USA

Constructed of the finest high speed steel. All sets include indexed metal storage cases.
410-123: 115-Piece Set includes fractional, wire gauge number and letter drill bits. Sizes 1/16 to 1/2" by 64ths, #1 through #60 wire gauge sizes and letter sizes A-Z.
410-040: 29-Piece Set includes sizes 1/16 to 1/2" by 64ths. For 1/4" or larger chucks.
410-022: 60-Piece Set includes #1 to #60 drill bits.
410-019: 13-Piece Set includes 1/16 to 1/4" drill bits.
410-023: 20-Piece Precision Drill Set includes hard-to-find very small sizes. Includes #61 down to #80 (0.039 - 0.0135") drill bits.



Cat. No.	Description	Each 1-5	6-11
410-123	High Speed Drill Set, 115 pc.	$195.00	$175.50
410-040	High Speed Drill Set, 29 pc.	79.00	71.10
410-022	High Speed Drill Set, 60 pc.	52.00	46.80

Cat. No.	Description	Each 1-5	6-11
410-019	High Speed Drill Set, 13 pc.	$15.00	$13.50
410-023	High Speed Precision Drill Set, 20 pc.	24.00	21.60

Unibit®
Drill-Tree Step Drills



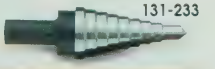
➥ **Super-hard titanium-nitride coated, stays sharper longer**
403-337 drills 13 different hole sizes in 1/32" increments.
403-133 drills 9 different hole sizes in 1/16" increments. (USA)

Cat. No.	Description	Range	Step Depth	Shank Size	Each 1-5	6-11
403-337	Step Drill	1/8 - 1/2"	1/8"	1/4"	$28.50	$25.65
403-133	Step Drill	1/4 - 3/4"	1/8"	3/8"	48.95	44.06

Unibit®
Step Drills


131-231


131-232


131-233

Set contains 3 bits: #1 drills, 13 sizes in 1/32" increments in 1/8" material, #2 drills, 6 sizes in 1/16" increments in 3/8" material and #3 drills, 9 sizes in 1/16" increments in 1/8" material. Use in 3/8" power drills. (USA)

Cat. No.	Description	Range	Each 1-5	6-11
131-502	Unibit Set, 3 pc.	1/8 - 3/4"	$72.50	$65.25
131-231	Unibit #1	1/8 - 1/2"	19.95	17.95
131-232	Unibit #2	3/16 - 1/2"	20.25	18.23
131-233	Unibit #3	1/4 - 3/4"	35.95	32.35

Variable Pitch Hole Saws

GREENLEE



Cobalt teeth cut clean, accurate holes in steel, fiberglass, wood and plastics. Saws are 1 5/8" deep with plug knock-out slots. **64-830** saw sizes: 7/8, 1 1/8, 1 3/8, 1 3/4, 2 and 2 1/2". **64-834** saw sizes: 3, 3 5/8, 4 1/8, and 4 1/2". Both sets include three arbors with replaceable pilot drills, 1/4" chuck and 5/16" hex shafts. Spring loaded arbor. (USA)

Cat. No.	Description	Each 1-5	6-11
64-830	Standard Hole Saw Kit	$108.00	$97.20
64-834	Large Hole Saw Kit	155.00	139.50

HANSON®
Drill and Tap Set



Taps 4-40NC, 6-32NC, 8-32NC, 10-24NC, 10-32NF and 1/4-20NC. T-handle tap wrench. Hinged plastic case with chart showing matching drill for each tap. (USA)

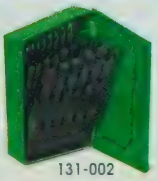
Cat. No.	Description	Each 1-5	6-11
146-700	Drill and Tap Set, 13 pc.	$23.00	$20.70

NEW

HANSON®
Metric Drill Bit Sets


131-001

Finest high speed steel. Jobbers length. (USA)
131-001: 13-Piece Set 1.5mm to 7.5mm by 0.5mm. Plastic indexed storage case.
131-002: 25-Piece Set 1.5mm to 13mm by 0.5mm. Metal indexed storage case.


131-002

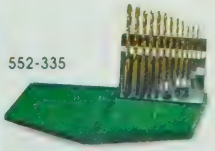
Cat. No.	Description	Each 1-5	6-11
131-001	Metric Drill Bit Set, 13 pc.	$17.50	$15.75
131-002	Metric Drill Bit Set, 25 pc.	73.00	65.70

HANSON®
Titanium Drill Sets

400-345



552-335



➥ **Lasts 6X longer than high speed drills**
1/64" size increments. Complete with indexed holder. (USA)

Cat. No.	Description	Range	Each 1-5	6-11
552-335	Titanium Drill Set, 13 pc.	1/16 - 1/4"	$39.00	$35.10
403-345	Titanium Drill Set, 29 pc.	1/16 - 1/2"	203.00	182.70

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690


EC1002 Analog


WS80 Analog


WSD80 Digital


EC2002M Digital


EC1201A

EC1302A

WSP80

115VAC 230VAC

Temperature-Controlled Soldering Stations

- Digital or Analog Models
- Silver-Series - Fast Recovery, More Power

Popular Weller EC-series soldering stations are now complemented by the new fast-recovery Silver (WS) series. All stations offer electronic temperature control, dial adjustable from 350 to 850°F with +/- 10°F accuracy. Analog display or digital models which monitor and display tip temperature. ESD safe handpieces. MIL-STD-2000 compliant. **Silver-Series Stations** offer greater power and 10% faster thermal recovery time for fast repetitive soldering of high-mass components. All stations include your choice of handpiece (indicated in chart below) and handpiece stand with cleaning sponge. (USA)

Cat. No.	Mfr. No./Description	Iron Included	Each
47-110	EC1002-1 Analog Station, 115VAC	EC1201A, 40W	$255.00
47-310	EC1002-2 Analog Station, 115VAC	EC1302A, 20W	255.00
47-506	EC1002-ID Analog Station, 230VAC	40W	262.00
47-080	WS80 Silver-Series Analog Station, 115VAC	WSP80, 80W	259.00
47-200	EC2002M-1 Digital Station, 115VAC	EC1201A, 40W	343.00
47-400	EC2002M-2 Digital Station, 115VAC	EC1302A, 20W	348.00
47-222	EC2002M-ID Digital Station, 230VAC	40W	375.00
47-081	WSD80 Silver-Series Digital Station, 115VAC	WSP80, 80W	348.00
47-502	EC1201A Iron only, 40W	–	107.00
47-504	EC1302A Iron only, 20W	–	107.00
47-083	WSP80 Iron only, 80W (for Silver-Series Stations Only)	–	109.95

Replacement Tips for EC1302A Only

Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-101*	EPH101 Micropoint Tip, 1/64"	$5.50	$4.40
47-103	EPH103 Single Flat Tip, 1/32"	5.50	4.40
47-107	EPH107 Screwdriver Tip, 5/64"	5.50	4.40
47-525	EPH111 Screwdriver Tip, .04"	5.50	4.40
47-106	EPH106 Screwdriver Tip, .06"	5.50	4.40

*Tip included with iron

Replacement Tips for EC1201A Only

Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-850*	ETA Screwdriver Tip, 1/16"	$5.75	$4.60
47-851	ETB Screwdriver Tip, 3/32"	5.75	4.60
47-852	ETC Screwdriver Tip, 1/8"	5.75	4.60
47-853	ETD Screwdriver Tip, 3/16"	5.75	4.60
47-854	ETP Conical Tip, 1/32"	5.75	4.60
47-526	ETS Long Conical Tip, .01"	5.75	4.60

*Tip included with iron

Replacement Tips for WSP80 Only

Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-084	LTIS Precision Point Tip, 0.20mm	$5.50	$4.40
47-085*	LTA Conical Tip, 1.6mm	5.50	4.40
47-086	LTAS Screwdriver Tip, 1.6mm	5.50	4.40
47-087	LTO Screwdriver Tip, 4.5mm	5.50	4.40
47-088	LTH Long Conical Tip, 0.8mm	5.50	4.40

*Tip included with iron

WTCPT Controlled Output Soldering Station

- Low voltage soldering pencil

Designed to let you use the lightweight pencil iron several feet away from the main unit. Iron holder attaches to either side of the station for convenient use and has storage space for six extra tips.

Closed loop transformer system automatically controls output to the soldering pencil. Temperature is controlled by selection of proper heat sensing tips (600, 700, or 800°F tips). Low voltage design for maximum safety. Unit complete with base unit, plug in pencil iron, detachable iron stand with sponge and 700°F soldering iron tip. 115VAC 60 Hz. (USA)



Cat. No.	Mfr. No./Description	Each
47-045	WTCPT Soldering Station with Iron	$138.50
47-261	TC201T Handpiece only	83.50
47-005	Replacement Sponge	3.50

Replacement Tips for TC201T Iron (Screwdriver-Shaped)

Temp.	1/16" Dia.	3/32" Dia.	1/8" Dia.	3/16" Dia.	Each
600°	47-221	–	47-237	47-245	$5.75
700°	47-223	47-231	47-239	–	5.75
800°	47-225	47-233	47-241	47-249	5.75

Need more technical info? Call our 24 hour/7 day automated FaxBack® Service: 602-453-2671







JENSEN® Soldering Iron

115VAC 230VAC

➥ **Quick-change heater**

Small, lightweight cushioned grip handle. Long life iron-plated tips for greater efficiency. Ideal for a wide variety of electronic and electrical work. Replacement heaters (25W and 35W) and tips available. 3-wire power cord. (USA)

Cat. No.	Description	Wattage	Voltage	Each
47-723	Soldering Iron with ST3 Tip	25W	115VAC	$30.75
47-220	Soldering Iron with ST3 Tip	35W	230VAC	40.00
47-725	Replacement Heater	25W	–	12.95
47-735	Replacement Heater	35W	–	15.25
47-006	Knurled Nut Tip Retainer	–	–	3.75
47-724	Replacement Handle, 3-Wire Cord	–	–	18.50
47-263	Stand w/Sponge for 47-723 & 47-220	–	–	26.00
578-605	Soldering Iron Cover	–	–	9.00

Cat. No.	Mfr. No./Replacement Tips	Reach	Each 1-4	5-11
47-235	ST1 Screwdriver Tip	1/16"	$5.50	$4.40
47-243	ST3 Screwdriver Tip (incl. w/iron)	1/8"	5.50	4.40
47-251	ST5 Single Flat Tip	1/32"	5.50	4.40
47-253	ST7 Conical Tip	1/32"	5.50	4.40



115VAC 230VAC

Weller® Soldering Gun Kits

➥ **Dual wattage (two position trigger)**

Kits contain three tips (solder tip, cutting tip and smoothing tip), solder, solder aid, flux brush plus the soldering gun in a sturdy plastic carrying case. **Universal Kit** contains the 140/100W gun, **Professional Kit** contains the 260/200W gun and **Industrial Kit** contains the 300/200W gun. Built-in lamps illuminate the work area. (USA)

Cat. No.	Description	Wattage	Voltage	Each
47-510	Universal Soldering Gun Kit	140/100W	115V	$61.50
47-511	Professional Soldering Gun Kit	260/200W	115V	76.50
47-512	Industrial Soldering Gun Kit	300/200W	115V	84.00
47-514	Professional Soldering Gun Kit	260/200W	230V	72.00
47-203	Soldering Tip for Universal Guns	–	–	5.50
47-207	Soldering Tip for Pro/Industrial Guns	–	–	5.50

*Does not include cutting and smoothing tips, solder, solder aid and flux brush

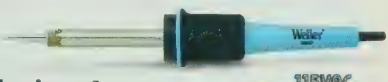


115VAC 230VAC

Weller® WES50 Soldering Station

Economical station with 50-watts of power, quick heat-up and fast thermal recovery. 350-850°F temperature range. Cordless temperature lockout and tip temperature calibration. Automatic shutoff after 99 minutes of inactivity. Slim, comfortable handpiece. ESD-safe. Uses all ET-series tips on page 246. 115VAC/230VAC. (USA)

Cat. No.	Mfr. No./Description	Each
47-050	WES50 Soldering Station, 115VAC	$125.00
47-052	WES50 Soldering Station, 230VAC	129.00



115VAC 230VAC

Weller® Controlled Output Soldering Irons

➥ **60 or 100W** ➥ **2 or 3-wire cord for 60W model**

Lightweight and portable iron. Control output and temperature selection by changing tips. Complete with 700° tip. (USA)

Cat. No.	Mfr. No./Description	Wattage/Cord	Voltage	Each
47-060	W60P Iron	60W 2-Wire	115VAC	$65.95
47-063	W60P-3 Iron	60W 3-Wire	115VAC	80.00
47-135	W100P-3 Iron	100W 3-Wire	115VAC	82.00
47-064	W60PD-3 Iron	60W 3-Wire	230VAC	71.25
47-136	W100PD-3 Iron	100W 3-Wire	230VAC	82.25

Cat. No.	60W Replacement Tips	Each 1-4	5-11
47-516	1/16" Screwdriver Tip, 600°F	$6.75	$5.40
47-517	1/8" Screwdriver Tip, 700°F	6.75	5.40
47-507	1/16" Screwdriver Tip, 700°F (incl. w/iron)	6.75	5.40
47-528	1/4" Screwdriver Tip, 800°F	6.75	5.40
47-518	1/8" Screwdriver Tip, 800°F	6.75	5.40
47-508	1/16" Screwdriver Tip, 800°F	6.75	5.40

Cat. No.	100W Replacement Tips	Each 1-4	5-11
47-530	1/4" Screwdriver Tip, 800°F	$8.25	$6.60
47-531	3/8" Screwdriver Tip, 700°F (incl. w/iron)	8.25	6.60



Weller® Pencil-Thin Miniature Iron

12W miniature iron is lightweight (less than 7 oz.) and pencil thin. Ideal for soldering heat and voltage sensitive components where a precision touch is essential. Delivers a tip temperature of 800°F and accommodates a complete range of slide-in tips. Comes with 1/32" .020" micro point tip, stay cool handle and 3-wire cord. 115VAC. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
47-120	WM120 Miniature Iron	$45.95	$41.35

Cat. No.	60W Replacement Tips	Reach	1-5	6-11
47-105	.020" Micro Point Tip (incl. w/iron)		$6.75	$6.08
47-109	.032" Spade Tip	1/2"	6.75	6.08
47-113	.047" Screwdriver Tip	3/8"	6.75	6.08
47-115	.062" SpadeTip	1/2"	6.75	6.08

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

MBT-250SDPT Multi-Technology Assembly and Repair System

- ESD-safe
- Automatic tip temperature
- Constant memory
- SNAP-VAC internal vacuum
- Temperature settings retained in memory

This microprocessor-controlled soldering station has an array of SensaTemp handpieces for complete process controlled SMT/Thru-Hole assembly, rework and repair of single and multi-layer boards. Meets or exceeds all applicable military and civilian EOS/ESD, temperature and electrical safety standards. Temperature Range: 38-482°C (100-900°F) ±1°C/F with easy keyboard temperature selection and large digital display. Features include variable temperature, closed-loop heater control, low temperature/high capacity heat transfer, instant response/quick rise vacuum controlled shot air flow.



MBT-250SDPT System includes the following four handpieces:

TP-65 ThermoPik handpiece provides high thermal efficiency at the joint for safe, rapid reflow and removal of a wide variety of PQFPs and FlatPacks.

SX-80 high capacity Sodr-X-Tractor provides safe, rapid desoldering of multilayer thru-hole joints as well as surface mount applications.

PS-80 Sod-R-Pen soldering iron provides wide range of SMD installation and removal capability as well as unsurpassed performance on multilayer thru-hole assemblies.

TT-65 ThermoTweez handpiece provides safe one-handed reflow and removal of PLCCs and other components. High thermal capacity and targeted heat remove large SMDs in seconds without damage to the board or adjacent components.station, accessory kit, VisiFilter, tip and temperature selection system and instruction/operation manual.

Also included: dual handpiece cubby for the PS-80 and SX-80, dual air handpiece cubby for TP-65, TT65 ThermoTweez hot cubby, tip maintenance

Optional **TJ-70 Mini-ThermoJet** provides focused heated air directly to the solder joint for installation of SOTs, SOICs, PLCCs, LCCCs, FlatPacks and other SMD components. 115VAC, 50/60 HZ. (USA)

Cat. No.	Mfr. No./Description	Each
176-250	MBT-250SDPT Assembly and Repair System	$1600.00
176-650	TJ-70 Optional Mini-ThermoJet	252.50

MBT-201SD Solder/Desolder System

- Meets ESD requirements
- Self-contained vacuum

High performance soldering and desoldering system with two closed loop Sensor Temp. channels for temperature stability within ±2°F. Responds instantly to thermal demands and applies the exact amount of energy required for the job. Controllable pressure port provides precise air flow for optional ThermoJet handpiece, SnapVac port for Sodr-X-Tractor and ThermoPik operation. LED duty cycle indicators signal the power level of each handpiece in operation. Uses same options as the MBT-250DPT, shown above*.



Temperature variable from 450-900°F, includes PowerBase, SX-80 Sodr-X-Tractor and PS-80 Soldering iron. 115VAC. 60Hz. (USA)

Cat. No.	Mfr. No./Description	Each
176-201	MBT-201SD Solder/Desolder System	$825.00



MBT-250SD Solder/Desolder Station

This station is similar to the MBT-250SDPT system, but comes with the PS-80 soldering iron, the SX-80 Sodr-X-Tractor plus the dual handpiece cubby. Can be upgraded to a MBT-250SDPT by adding the necessary handpieces and cubbies*. 115VAC, 60Hz. (USA)

Cat. No.	Mfr. No./Description	Each
176-210	MBT-250SD Solder/Desolder Station	$1210.00

*For a complete list of available tips, handpieces and replacement parts for all Pace MBT- series stations, call Jensen's FaxBack® at 602-453-2671. Request document #176250.

PACE
ST 75-SX Self-Contained Analog Desoldering Station



Offers the exclusive Auto Snap-Vac feature for improved desoldering performance and extended tip life in an updated compact system that's designed for ease-of-use. Features include quick-glance temperature indicator allowing operator temperature verification from a distance. Adjustable F/C temperature control dial with "sleek" temperature knob enhancing temperature/dial lockout. Quiet vacuum pump delivers 20 in/Hg vacuum and 21 PSI pressure nominal. 200 ms average vacuum rise time. 0.22 SCFM air flow maximum. 400-850°F tip temperature with +/-2°F stability at idle from set tip temp. Includes SX-80 desoldering handpiece. 115VAC 50/60Hz.

Cat. No.	Mfr.No./Description	Each
176-075	ST 75-SX Analog Desoldering Station	$585.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671. Request document #176250.

HAKKO
936 Soldering Station



Compact soldering station is designed to use a minimum of work surface area with its small 4.7 x 6.7" footprint. Stackable design. Variable temperature adjusts from 400-900°F with a stability of ±0.9°F. Celsius and Fahrenheit temperature calibrations. ESD-safe with tip-to-ground potential under 2mV. Handpiece with 50W ceramic heater is comfortable and accepts a wide array of tips. Lock-screw mechanism prevents inadvertent changes in temperature setting. MIL-STD-2000 compliant. 115VAC. One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
578-936	936 Soldering Station	$145.00
578-108	Replacement Tip, 0.031" Screwdriver	7.75
578-109	Replacement Tip, 0.063" Screwdriver	6.50
578-110	Replacement Tip, 0.020" Conical	6.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671 Request document #578936.

EDSYN
Temperature Controlled Soldering Station



Quality, economically priced soldering station features modular assembly of base unit, and iron holder to save precious workspace. Accurate linear temperature control with 400-800° temperature range, +/- 6° temperature regulation. 115VAC. 4.1"W x 8.2"H x 10"D. 18 month manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each 1-5	6-11
351-951	951SX Temperature Controlled Soldering Station	$99.00	$89.10
351-375	LT375 Tip, 0.06", Spade (included w/Station)	5.95	5.36
351-376	LT376 Tip, 0.12", Spade	5.95	5.36
351-382	LT382 Tip, 0.02", Long Cone	5.95	5.36

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671, Request document #351951

PACE
ST 25 SensaTemp® Analog Production Soldering Station



Analog dial soldering station features SensaTemp control delivering high capacity heating for demanding production soldering. Adjustable F/C temperature control dial with new "sleek" temperature knob - enhances temperature/dial lockout. Quick-glance temperature indicator allows operator temperature verification from a distance. No calibration required. Tip temperature range 400-850°F with +/- 2°F stability at idle from set tip temperature. Includes PS-80 handpiece. 115VAC 50/60Hz. (USA)

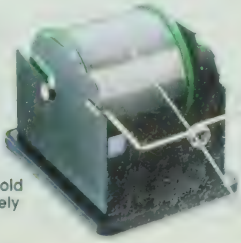
Cat. No.	Mfr.No./Description	Each
176-025	ST 25 Production Soldering Station	$160.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671 Request document #176250.

HAKKO
Solder Reel Stand

Neat and convenient dispensing of solder. Holds 1 lb. solder spools. ESD-safe construction. Non-slip feet keep stand firmly on workbench.

Cat. No.	Description	Each 1-5	6-11
578-611	Solder Reel Stand	$15.25	$13.73



Solder sold separately

HAKKO

808 Desoldering Tool



➥ **Self-contained with built-in vacuum pump**

Efficient desoldering is achieved with adjustable temperature control (715-895°F). Completely portable with simple tool maintenance. Miniature, double-cylinder diaphragm pump is designed to minimize vibration and maximize solder removal. The tool provides safe operation with <2mV nozzle-ground potential difference and <2Ω nozzle-ground resistance. Includes replacement filters and .04" desoldering tip. Optional **molded carrying case** includes a heat-resistant iron cover to eliminate the wait for the tool to cool down. 115VAC. 6.7" x 9.3". One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
578-808	808 Desoldering Tool	$355.00
578-099	Optional Molded Carrying Case	42.50
578-104	Replacement Tip, .03"ID, .09"OD	13.75
578-105	Replacement Tip, .04"ID, .10"OD	13.75
578-106	Replacement Tip, .05"ID, .12"OD	13.75
578-107	Replacement Tip, .06"ID, .12"OD	13.75

MASTER NEW

MICROPRO™ Cordless Soldering Iron



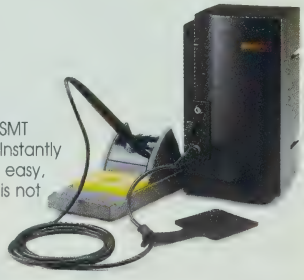
Compact, lightweight and perfect for field service and repair. Powered by 3-AA alkaline batteries (included) providing 60-minutes continuous-duty runtime. Fast start-up, reaches 361°F in 10 seconds, max 932°F. Quick-change plug-in tips incorporate built-in heater. Includes 0.5mm conical tip, 1.5mm chisel tip, safety cap and tip change tool. (USA)

Cat. No.	Description	Each 1-5	6-11
10-030	Micropro Cordless Soldering Iron	$72.00	$64.80
10-031	Replacement Tip, 0.5mm Conical	15.95	14.36
10-032	Replacement Tip, 1.5mm Chisel	15.95	14.36
10-033	Replacement Tip, 1.8mm Spade	15.95	14.36

For replacement batteries, see page 282.

METCAL
The SmartHeat Company

MX-500S SMT Rework System



Allows faster soldering and SMT rework at lower temperatures. Instantly responds to thermal loads with easy, intuitive operation. Calibration is not required, allowing for easy compliance with ISO-9000. Automatic time-out increases tip life. Includes two-port switchable power supply, handpiece with cord, workstand with sponge, and cartridge removal pad. Additional handpieces available. 115VAC. Tips sold separately. Two year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
9-500	MX-500S SMT Rework System	$695.00

For complete specifications and list of handpieces and tips, call Jensen FaxBack at 602-453-2671, Request document #9500

ISOTIP

Cordless Irons



Irons run on Ni-Cad rechargeable batteries. Equivalent to 50W iron with 700°F tip.
Quick-Charge Kit (3 to 5 hours) comes with two tips – fine and heavy duty. **Fast-Charge Kit** (one hour) comes with one fine tip. **High-Efficiency Kit** recharges in four hours, provides 30 minutes of continuous soldering and comes with two high efficiency tips – fine and chisel. 115VAC. (USA)

Cat. No.	Mfr. No./Description	Each
161-100	7700 Quick-Charge Kit, 115VAC	$52.50
161-760	7764 Quick-Charge Kit, 230VAC	50.00
161-790	7904 High-Efficiency Kit, 115VAC	73.00
161-800	7800 Fast-Charge Kit, 115VAC	73.00
161-040	Replacement Battery (Quick Charge)	13.95
161-793	Replacement Battery (High-Efficiency)	21.00
161-783	Replacement Battery (Fast Charge)	21.00

High Efficiency Tips work with all Irons.

Cat. No.	Replacement Tips	Each 1-5	6-11
161-753	Regular Tip, 5/32"	$6.00	$5.40
161-755	Fine Tip, 1/16"	6.00	5.40
161-756	Micro Soldering Tip, 1/64"	6.00	5.40
161-754	Heavy-Duty Tip, 3/16"	6.00	5.40



SP200 Soldering System

System includes power supply, handpiece assembly, handpiece stand with sponge and tip removal pad. Available with or without soldering tips. 100-130VAC, 45-70Hz. Maximum output: 35W. Output frequency: 470Khz. FCC UL and CSA approved. Two-year warranty on power supply, one-year on handpiece. 4.25" x 3.5" x 6.7", 5 lbs.

9-200 Does not include tips, sold separately.

9-220 Includes three tips: 1/8" 90° 700-series chisel, 1/32" 30° 700-series chisel and 1/16" 30° 700-series chisel.

Cat. No.	Description	Each
9-220	SP200 Soldering System w/Tips	$359.00
9-200	SP200 Soldering System w/o Tips	309.95

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671. Request document #9220.



JENSEN® Anti-Static "D-SOD-R" Tool

➥ All metal body ➥ NSN: 3439-01-443-6654

Features evenly balanced all-metal blue body with one-hand plunger action and easy pushbutton release. Double "O" ring seals assure maximum suction for fast, efficient desoldering. 8" long. Replacement tips available. (USA)

Cat. No.	Description	Each 1-4	5-11
983-300	Anti-Static "D-SOD-R Tool"	$12.00	$9.60
46-787	Replacement Anti-Static Tip	5.50	4.95



EDSYN® Universal Soldapullt

Standard duty soldapullt. Single-handed loading. Adjustable loading stroke. 8" long. (USA)

Cat. No.	Description	Each 1-5	6-11
351-140	Universal Soldapullt	$13.50	$12.15
65-031	Replacement Tip	4.25	3.83
351-340	Low Static Universal Model	19.00	17.10
351-197	Replacement Low Static Universal Tip	6.75	6.08



EDSYN® Low Static Soldapullt

Static conductive construction provides ground path via operator, reducing discharge to sensitive components. Special material protects operator from electrical shock. 8" long. (USA)

Cat. No.	Description	Each 1-5	6-11
351-196	Low Static Soldapullt	$34.00	$30.60
351-197	Low Static Replacement Tip	6.75	6.08



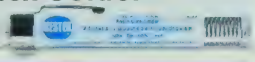
EDSYN® Deluxe Soldapullt

Designed for heavy-duty, high-volume applications. 8" long. (USA)

Cat. No.	Description	Each 1-5	6-11
65-033	Deluxe Soldapullt	$24.00	$21.60
65-031	Replacement Deluxe Tip	4.25	3.83

KESTER Pocket Pack Solder

➥ 60/40 rosin core



Cat. No.	Description	Each 1-5	6-11
15-005	Pocket Pack Solder	$2.95	$2.65

Lead-Free Tip Tinner

➥ Extends tip life
➥ Increase soldering performance

Simply touch the heated tip to the dry mixture for quick complete tinning. Residue free and environmentally safe. 1 oz. size has 1 7/8" diameter to accept larger surface mount tips. Self-adhesive backing for convenient placement. (USA)



Cat. No.	Description	Each 1-5	6-11
375-001	Lead-Free Tip Tinner, 1/4 oz.	$4.95	$4.46
375-002	Lead-Free Tip Tinner, 1 oz.	8.95	8.05

KESTER "44" Resin-Core Solder



➥ Meets Federal spec QQ-S-571

Furnished in 1 lb. spools. Standard core size is Kester 66. (USA)

63/37 Eutectic Solder

Contains 63% tin and 37% lead to provide a low melting temperature of 361°F. Used for soldering heat sensitive components.

Cat. No.	Diameter	Each 1-5	6-11
15-120	.025"	$16.80	$15.12
15-122	.031"	10.95	9.86
15-140	.062"	11.50	10.35

60/40 Solder

Tin content (60%). Melting temperature 370°F.

Cat. No.	Diameter	Each 1-5	6-11
15-100	.025"	$15.95	$14.36
15-102	.031"	14.25	12.82
15-104	.040"	12.75	11.48
15-108	.062"	10.95	9.86

"245" NO CLEAN 63/37 Flux Solder

Contains new generation low residue flux. Conforms to Bellcore soldering specifications. Residue left by the "245" core flux is both visually negligible and electronically safe.

Cat. No.	Diameter	Each 1-5	6-11
15-880	.031"	$13.50	$12.15

TECH SPRAY



947-001 947-010

Pro Wick Fine Desoldering Braid

➥ Static dissipative spools
➥ Standard and No-Clean

MADE IN USA

Pro Wick meets MIL-F-142560D Type R, NASA Spec. NHB 5300.4, NPC200-4 and SP-5002. Made of the finest oxygen-free, oil-free wire and covered with non-hygroscopic water white rosin flux for thorough cleaning of desoldered connections. **No-Clean Wick** leaves little residue on board so cleaning may not be required.

Pro Wick

Cat. No.	Size	Width x Length	Each 1-4	5-11
947-001	1	.030" x 10'	$3.95	$3.00
947-002	2	.060" x 10'	3.95	3.00
947-003	3	.085" x 10'	3.95	3.00
947-004	4	.100" x 10'	4.50	3.40
947-005	5	.145" x 10'	5.25	3.96

No-Clean Wick

Cat. No.	Size	Width x Length	Each 1-4	5-11
947-010	1	.030" x 10'	$4.95	$3.80
947-020	2	.060" x 10'	4.95	3.80
947-030	3	.085" x 10'	4.95	3.80
947-040	4	.100" x 10'	4.92	4.20
947-050	5	.145" x 10'	6.25	4.60

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



ESD-Safe Liquid Dispenser Bottles

Polyethylene bottles are molded with a humidity-independent anti-static agent. Surface resistivity of 10^{9} to 10^{10}. No chemical reactivity.

375-750 features purity pump to block contaminated fluid from flowing into container. (USA)

Cat. No.	Description	Capacity	Each 1-5	6-11
375-750	Pump-Bowl Dispenser	6 oz.	$16.95	$15.26
375-751	Flux Bottle, 26 ga. Tip	2 oz.	4.95	4.46
375-752	Flux Bottle, 20 ga. Tip	2 oz.	4.95	4.46
375-754	Squeeze Bottle	8 oz.	5.25	4.72

HAKKO Smoke Absorber

- ESD-safe
- Lightweight and compact for bench-top use



Designed to reduce or eliminate noxious gases, harmful smoke and fumes, drawing them away from operators and absorbing them in an activated carbon filter. Fully adjustable, low-noise, high performance fan. Complete with easy-to-replace filter. 115VAC. 8.7 x 10.6 x 6.6", 3.3 lbs.

Cat. No.	Description	Each
578-493	Smoke Absorber	$99.00
578-331	Replacement Filter	22.00

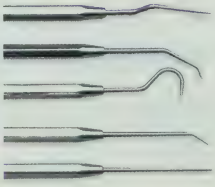
Solder Aid Kit

Includes standard and miniature reamer/fork, angled reamer/fork, brush/scraper, vinyl case. (USA)



Cat. No.	Description	Each
244-120	Solder Aid Kit	$26.50

Moody® Soldering Probe Set



Single ended stainless steel probes. Solder won't adhere. Hexagon shape in vinyl pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
97-655	Probe Set, 5 pc.	$13.25	$11.93



Weller® Soldering Iron Stand

Heavy, non-sliding base with sponge receptacle, non-sinking spring stand and funnel. Fits most irons. (USA)

Cat. No.	Description	Each
47-263	Soldering Iron Stand	$26.00



Chemtronics Cottontips™ Cotton Swabs

The economical swab designed for general cleaning applications. Soft, highly absorbent. Compatible with most solvents. 100% pure pharmaceutical-grade white cotton head with wood handle. (USA)

Cat. No.	Description	Length	Each 1-5	6-11
431-011	Cotton Swabs, 100/pk.	6"	$3.50	$3.15

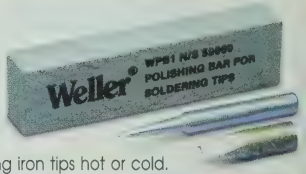


KESTER Flux Pen

Activated rosin flux is applied with chisel point felt pen. Spring loaded valve dispenses the right amount of flux, then closes to prevent drying. (USA)

Cat. No.	Description	Each 1-5	6-11
15-186	Flux Pen	$4.95	$4.46

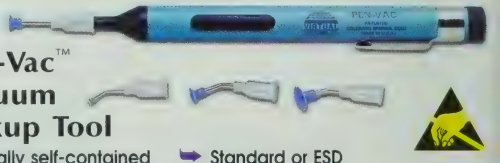
Weller® Soldering Iron Tip Polishing Bar



- Cleans plated tips

Cleans oxidation from soldering iron tips hot or cold. Once cleaned, the tip can be re-tinned for further use. (USA)

Cat. No.	Description	Each 1-5	6-11
47-167	Soldering Iron Tip Polishing Bar	$9.25	$8.32



Pen-Vac™ Vacuum Pickup Tool

- Totally self-contained
- Standard or ESD

Lightweight brushed aluminum construction with fingertip vacuum control. Storage on one end. Comes with one straight tip, three angled tips, four vacuum cups. No batteries required. (USA)

Cat. No.	Description	Each 1-5	6-11
532-891	Pen-Vac Vacuum Pickup Tool	$41.95	$37.76
532-892	ESD-Safe Pen-Vac Vacuum Pickup Tool	49.95	44.95

Butane Powered Tools



Microtorch® MT-50

MT-50 generates a long, pinpoint, 2500°F blue flame ideal for a multitude of applications. Refillable fuel tank can be used free-standing or hand-held. Self-igniting with gas and air controls. Burns up to two hours on a full charge of butane. 5 oz.

Cat. No.	Mfr. No./Description	Length	Each
10-500	MT-50 Microtorch	6"	$36.00

Ultratorch® UT-40Si

UT-40Si is an economical, industrial grade combination soldering iron and heat tool. Lightweight and rugged. Single slide, self-igniting, piezo-electric ignition. Adjustable temperature range equals that of a 30-80 watt soldering iron. Includes protective cap, soldering tip and a flameless heat tip.

Cat. No.	Mfr. No./Description	Each
10-440	UT-40Si Ultratorch	$71.00
10-441	Replacement Solder Tip, 1mm	17.50
10-442	Replacement Solder Tip, 2.4mm	17.50
10-443	Replacement Heat Tip, 4.7mm	17.50
10-444	Replacement Heat Tip, 1.6mm	21.50

Mini Ultratorch UT-50

➥ 3-in-1 heat tool

Pocket-sized tool. Includes solder tip, flameless heat tip and protective cap.

Cat. No.	Mfr. No./Description	Length	Each
10-050	UT-50 Ultratorch	6 3/4"	$92.00
10-071	Replacement Solder Tip, 2mm	-	13.25
10-072	Replacement Solder Tip, 1mm	-	13.25
10-101	Flameless Heat Tip, 1.5mm	-	15.75
10-152	Flameless Heat Tip, 4.7mm	-	16.00

All Butane Tools Shipped Empty to Avoid Hazardous Shipping Charges

Ultratorch UT-100

➥ 3-in-1 heat tool ➥ Long lasting heat

Standard model includes flameless heat tip, torch tip, solder tip, heat shrink attachment, tip cleaner sponge and spanner wrench in a metal storage box.

Cat. No.	Mfr. No./Description	Length	Each
10-700	UT-100 Ultratorch	9 1/2"	$120.00

Ultratorch UT-100Si

➥ Self-igniting

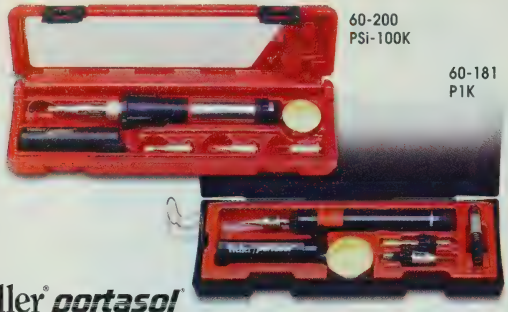
Push-button piezo-electric ignition system provides convenient operation. Adjustable heat for numerous applications. Includes soldering tip, torch tip, heat shrink attachment, protective cap, spanner wrench and open end wrench.

Cat. No.	Mfr. No./Description	Length	Each
10-400	UT-100Si Ultratorch	9 1/2"	$112.00
10-040	Optional Metal Case	-	22.75
10-701	Soldering Tip, Needle, 1mm	-	14.25
10-702	Soldering Tip, Chisel, 3.3mm	-	14.25
10-703	Soldering Tip, Spade, 2mm	-	14.25
10-704	Soldering Tip, Spade, 3mm	-	14.25
10-715	Flameless Heat Tip, 1.59mm	-	17.00
10-716	Flameless Heat Tip, 3.3mm	-	14.25

Ultratorch Features

Features	UT-40Si	UT-50	UT-100	UT-100Si
Adjustable flame/temp.	✓	✓	✓	✓
Blow torch		✓	✓	
Flameless heat	✓		✓	✓
Soldering iron	✓	✓	✓	✓
Self igniting	✓			✓
Temp. range: Soldering	840°F	392°-842°F	392°-932°F	392°-932°F
Flameless	1200°F	806°F Max	1202°F Max	1202°F Max
Blowtorch	n/a	2372°F Max	2372°F Max	n/a
Usage time per fill	75 Min.	20 Min.	120 Min.	90 Min.

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Weller® portasol®

Butane Powered Tool Sets

Tools operate as a cordless soldering iron, open-flame torch, flameless heat tool and hot knife. Sets include tips for all four functions. Fully adjustable heat source. Shipped empty.

P1K Kit includes standard Portasol tool, 2.4mm solder tip, hot air tip, blow torch tip, hot knife tip, tip sponge, stand, lighter/cap and case.

PSi-100K Kit operates up to two hours per charge and features piezoelectric ignition and visible fuel level. Includes 3/32" and 3/16" soldering tips, flameless heat tip, hot knife tip, tip sponge and case.

Cat. No.	Mfr.No./Description	Each
60-181	P1K Portasol Kit	$64.50
60-141	P1 Portasol Tool Only	42.25
60-200	PSi-100K Portasol Kit	91.50

Jensen stocks a complete line of replacement tips for Weller Portasol butane tools. Call FaxBack at 602-453-2671. Request document number #60181.



Weller®

Heat Gun

➥ 790/1200°F

Dual temperature heat gun. Optional attachments available for special applications. 115VAC.

Cat. No.	Description	Each
46-231	Heat Gun	$61.00
46-108	Reflector for Heat Shrink Tubing	8.25
46-339	Reducer for Concentrated Heat	8.25



MASTER

Proheat® Heat Gun

Features 570° and 1050° temperature settings and airflow of 15 CFM at 3650FPM. DC permanent-magnet motor is compatible with 50-400Hz current. Compact, comfortable Lexan® housing. Enclosed ceramic heating element. Hanging loop. Oil-resistant neoprene 3-wire cordset. 115VAC. (USA)

Cat. No.	Description	Each
10-110	Proheat Heat Gun	$77.50



Weller®

Princess Heat Gun

An ultra-light heat gun. High temperature of 850°F. Pistol-grip handle. Four baffle adapters. Neoprene 3-wire Hypalon cord. 250W. 13 oz. (USA)

Cat. No.	Description	Voltage	Each
46-310	Princess Heat Gun	115VAC	$134.50
46-966	Princess Heat Gun	230VAC	172.00



MASTER MITE

Lightweight Heat Gun

Interchangeable heating-element nozzles, self-standing body design, safety light, hanging loop, high-impact thermo-plastic case, thermal safety switch. Airflow of 3.8 CFM at 700 FPM. Comes with 650°F nozzle element and slip-on deflector. 3-wire cord. 115VAC. (USA)

Cat. No.	Description	Temperature	Wattage	Each
10-112	Heat Gun	650°F	–	$74.00
10-061	Pin Point Adapter	–	–	13.50
10-062	Tubing Baffle	–	–	6.75
10-301	Replacement Element	500°F	325W	24.00
10-303	Replacement Element	650°F	475W	24.00
10-305	Replacement Element	800°F	525W	24.00



MASTER

115VAC
230VAC

Heavy-Duty Flameless Torches

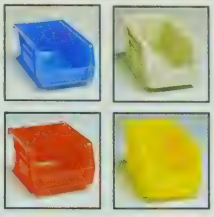
Delivers temperatures up to 1000°F. Adjustable air intake; double-jacketed heater housing; die-cast aluminum body; and an 8' 3-wire cord. Rubber-backed base plate, 4 1/2 x 4 1/2". Delivers 19.8 CFM air volume at 2600 FPM velocity. (USA)

Cat. No.	Mfr. No.	Voltage	Temperature	Amps	Each
10-103	HG-301A	115V	300/500°F	12A	$102.00
10-106	HG-501A	115V	500/750°F	14A	102.00
10-502	HG-502A	230V	500/750°F	7A	102.00
10-751	HG-751B	115V	750/1000°F	14.5A	102.00

AKRO-MILS Akro-Bins

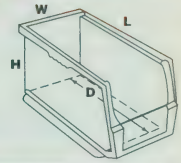
- Heavy-duty polypropylene construction
- Water/rust/corrosion-proof
- Unaffected by weak acids and alkalis

Akro-Bins help you reduce and control inventories, shorten assembly times, and minimize parts handling. Seven sizes and four colors to choose from. Hang bins from Akro-Mils racks, panels, or stack them on a bench. (USA)





Red Cat. No.	Blue Cat. No.	Yellow Cat. No.	Stone Cat. No.	Dimensions (ID) L x W x H x D	Capacity	Each 1-5	Each 6-11
266-210R	266-210B	266-210Y	266-210S	4 3/4 x 3 7/16 x 2 13/16 x 4"	10 lbs.	$1.00	$.90
266-220R	266-220B	266-220Y	266-220S	6 3/4 x 3 7/16 x 2 13/16 x 6"	10 lbs.	1.75	1.58
266-230R	266-230B	266-230Y	266-230S	10 1/4 x 4 3/8 x 4 3/4 x 9"	30 lbs.	4.25	3.83
266-235R	266-235B	266-235Y	266-235S	10 1/4 x 10 x 4 3/4 x 9"	50 lbs.	6.75	6.08
266-239R	266-239B	266-239Y	266-239S	10 x 3 9/16 x 6 3/4 x 8"	50 lbs.	7.25	6.53
266-240R	266-240B	266-240Y	266-240S	14 x 6 9/16 x 6 3/4 x 12"	60 lbs.	8.50	7.65
266-250R	266-250B	266-250Y	266-250S	14 3/4 x 14 3/4 x 6 3/4 x 12"	75 lbs.	12.00	10.80

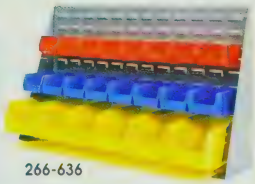


Bin Racks

Cat. No.	Description	Dimensions	Capacity	Each 1-5	6-11
266-636	Bench Rack	36 x 8 x 21"	120 lbs.	$54.00	$48.60
266-618	Louvered Panel	18 x 19"	160 lbs.	21.00	18.90



266-618



266-636

Bins shown on racks sold separately above

Flambeau Stacking Storage System



Withstands severe work environments. Resists most common chemicals and solvents. Handle and snap-lock latches on front of case make it easy to transport to work sites. Translucent lid allows for easy identification of contents.

Each case measures 13 1/2 x 9 x 2 1/4" and has 4 permanent divider strips, each of which features vertical grooves and assorted dividers to allow configuration of any size compartment. Cabinet approximately 15" square, 20 lbs. (USA)



Cat. No.	Description	Each
352-852	Cabinet with 5 Parts Cases	$99.95



MADE IN USA

AKRO-MILS Attached Lid Containers (ALCs)

- Reusable shipping, distribution, storage containers
- Stack and nest



266-120

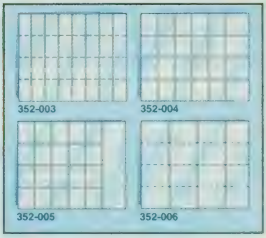
266-085

Molded-in handles, reinforcing ribs, steel lid hinge pins and padlock eyes for security. (USA)

Cat. No.	Description	Dimensions (O.D.)	Capacity	Each 1-5	6-11
266-085	Storage Container	21 1/2 x 15 x 9"	8 1/2 Gal.	$13.95	$12.56
266-120	Storage Container	21 1/2 x 15 x 12 1/2"	12 Gal.	16.50	14.85

Flambeau Super Satchel Parts Organizer

- Cases won't rust, no sharp edges
- Heavy-duty steel cabinet with sliding shelves



Feature clear lids for easy inventory of contents, positive latches and comfortable carrying handle. Cases are 18 1/2 x 13 x 3" and come in configurations as shown. Cabinet measures 20 1/4 x 15 3/4 x 14 3/4"

Cat. No.	Description	Each
352-003	Case with 8-32 Compartments	$23.00
352-004	Case with 24 Compartments	23.00
352-005	Case with 21 Compartments	23.00
352-006	Case with 4-16 Compartments	23.00
352-007	Cabinet only (fits any four cases)	69.00

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AKRO-MILS



Lid Storage Parts Organizers

Hardware not included



Lid compartment opens separately for small items while the main compartment under lid offers larger storage sections. Lids lock securely, keeping parts separated in adjustable and removable dividers. Molded-in handle. (USA).

Cat. No.	Description	Dimensions	Compartments	Each
266-115	Parts Organizer	15 x 11 5/16 x 3 1/4"	11-46	$14.95
266-118	Parts Organizer	18 1/4" x 13 3/8 x 3 5/8"	12-62	19.25

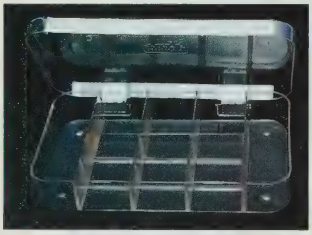
Flambeau

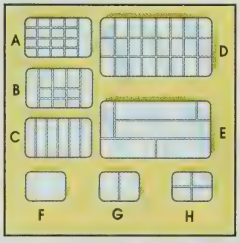
Parts Cabinets

➥ Heavy plastic frame with clear parts bins.



Cat. No.	Description	Dimensions	Each
301-048	48-Drawer Parts Cabinet	14 x 5 3/4 x 11 1/2"	$36.25
352-600	60-Drawer Parts Cabinet	14 x 5 3/4 x 14 1/4"	34.95





Flambeau

Mighty Tuff® Parts Boxes

➥ Hold ➥ Store ➥ Protect

MADE IN USA

Compact, compartmented boxes are far superior to ordinary polystyrene boxes. Molded from sturdy, transparent cellulose propionate featuring rustproof metal hinges. Virtually unbreakable and highly resistant to oil, gasoline and most common chemicals and solvents. Ideal for tool kits, industrial packaging and storage.

Cat. No.	Key	Dimensions	1-4	5-10
352-526	A	7 x 4 x 1 1/16"	$6.00	$5.52
352-527	B	7 x 4 x 1 1/16"	6.00	5.52
352-528	C	7 x 4 x 1 1/16"	6.00	5.52
352-529	D	11 7/8 x 5 7/8 x 1 7/16"	10.00	9.20
352-530	E	11 7/8 x 5 7/8 x 1 7/16"	10.00	9.20
352-500	F	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06
352-202	G	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06
352-504	H	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06

Flambeau

Parts Organizer/Tote



Lightweight organizer/tote with tremendous storage capacity for small parts, tools and other small items. Detachable top and bottom sections and four removable side pouches with zipper closures. Constructed of rugged, water resistant nylon fabric with zippers and hook-and-loop fasteners. Padded strap handle with additional handle on detachable top section. Includes five 11 x 7 1/4 x 1 3/4", two 7 x 4 1/8 x 1 7/16" and one 6 7/16 x 4 5/8 x 4 1/8" parts boxes with adjustable dividers. 15 x 8 1/2 x 15".

Cat. No.	Description	Each
352-405	Parts Organizer/Tote	$89.00

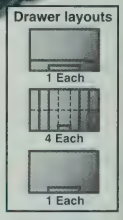
Flambeau

Six Drawer Tool/Storage Chest



➥ Five year factory warranty

Plenty of room for convenient storage of precision tools, small parts and components. Durable polystyrene provides years of dependable service. Drawers are easily removed with tongue-and-groove rails and fingertip releases. Front cover has padlock tab. Non-slip rubber feet, twin latches, luggage style handle. 19 1/2 x 10 3/8 x 15". (USA)



Cat. No.	Description	Each
352-060	Six Drawer Tool/Storage Chest	$95.00

Flambeau

Infinite Divider™ Parts Boxes



Provides flexibility in organizing small parts. Dividers may be easily placed where needed and adjust in 1/8" increments. Constructed of durable solvent-resistant polypropylene.
352-902: 13 x 8 3/8 x 1 7/8" (includes 16 dividers).
352-602: 10 1/2 x 6 x 1 1/2" (includes 6 dividers).
352-302: 6 7/8" x 3 5/16" x 1 1/4" (includes 6 dividers). (USA)

Cat. No.	Description	Each 1-5	6-11
352-902	Infinite Divider Parts Box, Large	$9.50	$8.55
352-602	Infinite Divider Parts Box, Medium	6.00	5.40
352-302	Infinite Divider Parts Box, Small	4.00	3.60

For additional quantity pricing, contact Jensen Sales at 800-426-1194.

WESCO MANUFACTURING CO.

Folding Platform Truck





Move equipment quietly through offices without disturbing others. **Standard Platform Truck** has a pressed steel platform with covered non-slip base. Two stationary and two swivel 4" rubber casters. Fold-down handle for easy storage. All around bumper prevents damage to walls or furniture. 19 x 29¼". **Large Platform Truck** is identical, but has 5" casters, larger platform and greater capacity. 23 x 35".

Cat. No	Description	Capacity	Weight	Each
601-440	Standard Platform Truck (shown)	400 lbs.	25 lbs.	$109.00
820-035	Large Platform Truck	600 lbs.	41 lbs.	172.50

ZAG®

3-in-1 Rolling Workshop™



Light-duty multi-purpose cart features built-in cord reel, lower flip-out bin, circular saw blade storage, detachable center section with two slide out drawers and detachable top toolbox with tote tray. Easy rolling casters and push handle for easy transport. Polypropylene construction. 19 x 11 x 27½".

Cat. No.	Description	Each 1-5	6-11
88-004	3-in-1 Rolling Workshop	$69.00	$62.10

ZAG®

Mobile Contractor Chest



Tools not Included

Light-duty storage and transportation of tools, equipment and supplies. Polypropylene construction. Easy-roll wheels and telescoping handle for easy transport. Features two removeable tote trays, top storage lid with compartments and drive bit organizer. 24½ x 15 x 16½"

Cat. No.	Description	Each 1-5	6-11
88-005	Mobile Contractor Chest	$49.00	$44.10

ZAG®

26" Mobile Tool/Parts Box



Tools not Included

Versatile light-duty tote features two rear wheels and extendable comfort-grip tote handle for easy transport. Two removable compartmentalized trays with transparent covers and removable full-length tote tray. Built-in cable holder on rear of box. Built-in padlock eye. Polypropylene construction. 26 x 11 x 11".

Cat. No.	Mfr. No./Description	Each 1-5	6-11
88-003	26008 Mobile Tool/Parts Box	$36.50	$32.85

JENSEN®

Utility Cart



- Rugged molded construction
- Resists most common solvents

Two 31 x 18 x 3 shelves, each with a capacity of 150 lbs. Four swivel casters with 4" wheels. Easy assembly with soft face hammer. (USA)

Cat. No.	Description	Size	Weight	Each
997-001	Utility Cart	37 x 19 x 32	45 lbs.	$99.00

ZAG®

Mega 2100™ 21" Tool Box



Tools and supplies not included

Tool and parts box features three front-mounted flip-out bins with dividers for storing parts, tools and other small items. Large interior compartment and detachable tote tray with dividers. Polypropylene construction. 21 x 12 x 11".

Cat. No.	Mfr. No./Description	Each 1-5	6-11
88-007	Mega 2100 Tool Box	$17.00	$15.30

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Order Lines: 800-426-1194 • 602-453-3169
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700-520

Rubbermaid Full Service Utility Carts

Lightweight, seamless carts for transporting a wide variety of tools, supplies and equipment. Rugged molded construction won't dent, chip or flake. Molded handle will never come loose. No sharp edges to damage walls or furniture. No maintenance required. Two fixed wheels and two casters for easy maneuverability. Gray. Capacity: 200 lbs. per shelf. Easily assembled. (USA)

Cat. No.	Description	Size	Weight	Each
700-450	Small Utility Cart	30 x 16 x 32 1/2"	36 lbs.	$158.00
700-597	Middle Shelf for 700-450	–	15 lbs.	52.00
700-520	Large Utility Cart	36 x 24 x 32 1/2"	50 lbs.	179.00
700-598	Middle Shelf for 700-520	–	17 lbs.	61.00

Rubbermaid Flat Top Utility Carts

- Flat top makes it easy to load bulky, heavy items
- Easy maintenance and quiet operation

Ideal for office or factory use. Sturdy molded construction won't dent or chip. Handle has molded-in storage bin. Two fixed and two swivel 5" non-marking casters. Beige. Capacity: 200 lbs. per shelf. (USA)


700-525 with 700-526

Cat. No.	Description	Size	Weight	Each
700-505	Small Cart	38 x 19 x 33"	35 lbs.	$160.00
700-506	Middle Shelf for 700-505	—	11 lbs.	52.00
700-525	Large Cart	44 x 25 x 33"	45 lbs.	187.00
700-526	Middle Shelf for 700-525	—	15 lbs.	62.00

Rubbermaid Trades Service Cart

- Flat work surface at comfortable height

Rugged molded cart features four compartmentalized parts boxes (two on each end) and two storage drawers for larger tools and supplies. Quiet, non-marking 6" casters with brakes on the two swivel casters for stability while working. Gray. Capacity: 400 lbs. total (top shelf holds 150 lbs., bottom shelf 180 lbs. and the suspended storage boxes hold 70 lbs.). (USA)



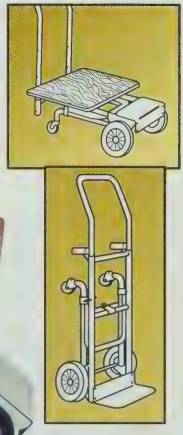
Cat. No.	Description	Size	Weight	Each
700-180	Service Cart	38 x 19 1/4 x 33 1/4"	52 lbs.	$247.00

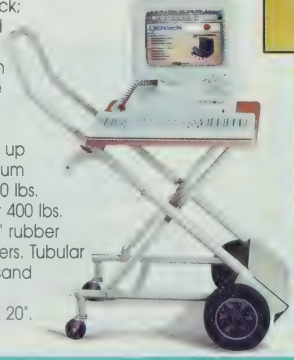
Converta-Truck

Valley Craft

- 8 carts in one
- 400 lbs. maximum capacity

A 2-wheel dolly or a 4-wheel hand truck; add the included platform to create a platform truck or steerable 4-wheel dolly. Wood laminate platform will hold up to 100 lbs. Maximum cart capacity: 300 lbs. as a 2-wheeler or 400 lbs. as a 4-wheeler. 8" rubber wheels, 2 1/2" casters. Tubular steel frame with sand enamel finish. 47" (extends to 55") x 20". (USA)





Cat. No.	Description	Capacity	Weight	Each
568-990	Converta-Truck	100-400 lbs.	49 lbs.	$165.00

Valley Craft Super Shelf Cart

Heavy-duty 1600 lb. capacity utility cart features two 14-gauge steel shelves with 19 1/2" spacing for plenty of carrying space. 24 x 36" top shelf is reversible, allowing you a choice of flush or 1/2" lipped tray. Big, 8 x 2 1/2" pneumatic tires absorb shocks from door jambs and roll right over rough surfaces. 47 1/2 x 42 x 24 1/4". (USA)



Cat. No.	Description	Capacity	Each
568-002	Super Shelf Cart	1600 lbs.	$299.00



Supercarts

Functions as a variable length platform truck, hi-stacker, furniture dolly, or extended-nose hand truck. Rugged steel construction with powder-coated finish. Sides fold down and platform collapses for transporting in car trunk or checking as baggage. **RR10** telescopes from 34-52", has 32" folding sides, two 10" pneumatic tires and two 5" swivel casters. **RR8** is identical except it has 8" semi-pneumatic tires. (USA)

Cat. No	Mfr. No./Description	Capacity	Weight	Each
214-008	RR8 Cart	500 lbs.	31 lbs.	$139.00
214-010	RR10 Cart	500 lbs.	33 lbs.	159.00

Ultra-Lite Hand Truck

➥ **Weighs 20-30% less than aluminum, 35-50% less than steel**

Harper's new space age engineered hand truck is the only composite hand truck in the world. A glass reinforced nylon makes it strong as steel, yet it weighs less than aluminum. Manufactured with a steel handle and base plate, this revolutionary design includes built-in stair glides, impact resistant finish and 10" pneumatic tires. Height is 48", base plate is 7 x 14". Shipped fully assembled. One year warranty. (USA)



Cat. No	Description	Capacity	Weight	Each
385-016	Hand Truck	500 lbs.	20 lbs.	$69.00

Super Foldaway Platform Truck

➥ **Telescoping platform**

Rugged truck features a sturdy, lightweight, interlocking aluminum frame. Easy-rolling 4" casters, two swivel and two rigid. Roomy, dual length platform extends to 28 x 16". 32" handle height. Folds to a compact 20 x 16 x 9 7/8" for easy storage. Protective vinyl corners prevent damage to walls or furniture.



Cat. No	Description	Capacity	Each
820-020	Platform Truck	300 lbs.	$150.00

Fold-Flat Luggage Carts

➥ **Folds flat to 2 1/2"**

Measures 26 x 19 x 2 1/2" when collapsed and extends to 40" with a 19 x 9 1/2" cast aluminum platform and 7 1/2" wheels.





Cat. No	Description	Capacity	Weight	Each
54-578	Fold-Flat Cart	275 lbs.	10 lbs.	$150.00
820-021	Fold-Flat Cart	175 lbs.	8.4 lbs.	119.00





Ultra Lite Senior Dual Truck

The lightest dual truck ever! Constructed of high-capacity nylon/glass compounds for light weight and exceptional strength. Handle folds quickly to convert from conventional upright hand truck to push/pull platform cart. 21 x 37" platform bed. 10" platform height. 7 x 14 1/2" toe plate. 10 x 3 1/2" truck wheels and 5 x 1 1/4" swivel casters. 49 1/2" high as hand truck. (USA)

Cat. No.	Description	Capacity	Weight	Each
385-635	Ultra Lite Senior Dual Truck	600 lbs.	25 lbs.	$129.00

Dura-Lite Aluminum Hand Truck

➥ **Lightweight yet extremely durable**
➥ **Large 8" wheels/rubber tires**

Constructed of heavy-duty aluminum extrusions, bolted together for extra strength. Triple-Truck has an 8 x 15" steel shoe along with a 12 x 29" extendable shoe. Two 5 x 1 1/8" swivel casters provide easy steering in the 4-wheel mode. Truck stands 51" high. Some assembly required. (USA)



Cat. No	Description	Capacity	Each
568-937	Triple Truck	500 lbs. (2-wheel) 600 lbs. (4-wheel)	$215.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Stock Workbenches

Available in 30" x 60", 30" x 72", or 36" x 72" standard or ESD laminate work surfaces. Standard height is 30", but may be raised to 36" with included leg extension kit. Heavy-gauge steel construction with pre-installed, threaded inserts for fast and secure assembly. Bench will easily hold 1000 pounds of distributed weight. Broad list of accessories so you may design a bench of your choice. Color is sky blue with white laminate. (USA)

Cat. No.	Key	Description	Dimensions	Each
708-306	A	Stock Workbench	30 x 60"	$359.00
708-307	A	Stock Workbench	30 x 72"	391.00
708-310	A	Stock Workbench	36 x 72"	428.00
708-308	A	ESD Workbench	30 x 60"	525.00
708-309	A	ESD Workbench	30 x 72"	582.00
708-311	A	ESD Workbench	36 x 72"	664.00
708-006	B1	Small Drawer	6"H x 15"W x 18"D	125.00
708-012	B2	File Drawer	12"H x 15"W x 18"D	176.00
708-112	B3	Cabinet with Door	12"H x 15"W x 18"D	155.00
708-060	C	Footrest	60"	63.00
708-072	C	Footrest	72"	63.00
708-660	D	Instrument Shelf	15"D x 60"L x 18"H	190.00
708-672	D	Instrument Shelf	15"D x 72"L x 18"H	204.00
708-673	D	ESD Instrument Shelf	15"D x 60"L x 18"H	283.00
708-674	D	ESD Instrument Shelf	15"D x 72"L x 18"H	314.00
708-600	E	Electrical Service Strip	60" long	105.00
708-720	E	Electrical Service Strip	72" long	117.00
708-202	F	Light Fixture	48"	97.00
708-721	G	Riser Service	–	80.00
708-014	–	Lock for Drawers	–	16.25

Price does not reflect additional freight charges to your location.
Call 800-426-1194 for freight charges.





Dimension 4 Modular Workbenches

- **Expandable system to serve both present and future needs**
- **Static safe models for EOS/ESD protection**

Heavy gauge welded steel and bolted construction. Holds 1000lbs of distributed weight. Baked-on enamel finish and laminated top. ESD version for a static-safe workbench that will meet the most stringent industry and military ESD requirements. Fully adjustable for personal comfort and efficiency. 180° rolled front edge. Dimensions: 72" x 30" x 60". 10-year factory warranty. (USA)

Starter Unit is one complete workstation. Includes two uprights, work surface assembly and modesty support panel.

Adder Units attach to end of Starter to form a string of workstations. Adder units include only one upright.

Order **Optional Accessories** below to complete your workstation(s).

Cat. No.	Key	Description	Each 1-4	5-9
708-500	-	Starter Unit	$747.00	$709.65
708-501	-	Adder Unit	499.00	474.05
708-502	-	Starter Unit, ESD-safe	895.00	850.25
708-503	-	Adder Unit, ESD-safe	647.00	614.65
708-505	H	Optional Light Fixture	245.00	232.75
708-506	J	Optional Shelf	79.00	75.05
708-507	J	Optional Shelf, ESD-safe	144.00	136.80
708-508	K	Optional Electrical Outlet Strip	132.00	125.40
708-504	L	Optional 6" Drawer	136.00	129.20
708-509	M	Optional Footrest Assembly	68.00	64.60
708-995	Not Shown	Optional Freestanding Footrest	102.00	96.90

HOW YOUR WORKSTATION IS SHIPPED

The most appropriate way to ship is KDF (Knocked Down Freight). Each item is individually packaged with assembly instructions and necessary hardware. All items are then palletized to ensure a complete shipment shipped. FOB California. Price does not reflect additional freight charges from California to your location. These charges will be added to your invoice. Call 800-426-1194 for freight charges.



Workmate® 425 Project Center

Dual height for use as a workbench, bench tool stand, vise or sawhorse. Steel construction holds up to 550 lbs. Advanced one-handed clamp system with exclusive clutch design for easy clamping. Front jaw swings up for vertical clamping. Removable center panel. Folds easily for storage and transport. 29 1/8 x 20 3/4" work surface. 31 1/8" bench height. 24 1/8" sawhorse height.

Cat. No.	Description	Each 1-5	6-11
836-425	Workmate 425 Project Center	$139.00	$125.10



Metal Rolling Workshop™

Modular tool storage unit features aluminum telescoping handle and large rubber wheels for easy transport. Three removable sections - take along just what you need. Top toolbox with tote tray. Center unit with two metal drawers with removable dividers. Base unit with large flip-out bin for larger tools, doubles as a handcart. Four built-in bungee cords for transport of longer items. Built-in extension cord wrap. Stainless steel work top. 22.8 x 14.5 x 29.8".

Cat. No.	Description	Each 1-5	6-11
88-502	Metal Rolling Workshop	$149.00	$134.10



Premium Bench-Height Seating

772-450
772-455

772-050
772-055

Constructed of the finest materials and components for years of comfort and use. Common features include 5-leg base with hooded dual wheel casters. Pneumatic seat height adjustment as well as fully-adjustable seat depth, back height and footring height. Meets or exceeds all applicable ANSI/BIFMA & GSA standards. Medium-blue fabric. 15-year manufacturer's warranty.

Deluxe models feature polished aluminum base, 18 x 17" seat and 2 1/2" double density foam for extra comfort. Protective rubber bumper on upholstered edges. Seat height adjusts 21-31".

Standard models feature reinforced black nylon base, 18 x 17" seat and 2 1/2" foam. Seat height adjusts 19-27".

ESD-safe versions add conductive fabric cushions and conductive casters for full static-safe grounding. (drag chain on standard model).

Cat. No.	Description	Each 1-5	6-11
772-450	Deluxe Chair	$219.00	$197.10
772-455	Deluxe Chair, ESD-safe	299.00	269.10
772-050	Standard Chair	169.00	152.10
772-055	Standard Chair, ESD-safe	229.00	206.10

Other standard color fabrics, vinyl and cleanroom-compatible versions are available by special order. Contact Jensen Customer Service at 800-426-1194 for assistance



Drawer Sizes:
25 1/8 x 25 1/8 x 2 1/4"- (1)
25 1/8 x 25 1/8 x 3"- (2)
25 1/8 x 25 1/8 x 4 5/8"- (1)
25 1/8 x 25 1/8 x 7"- (1)

Sentry 100 StaticGard Technician's Workstation

- **Engineered from ground up for total ESD control**
- **Conforms to EOS/ESD standard 4.1-1990 at 100VDC open circuit test**

Designed to provide a single point, static-safe maintenance center with all inventory parts, tools and accessories close at hand and easily accessible to the technician.

Sentry 100 is top of its class in static-protection as it conforms to the 100 volt open circuit test and is certified. Workstation is unequaled in quality construction and static protection.

ESD pedestal cabinet has five large drawers with 169 adjustable compartments. Cabinet is 30"H x 30"W x 27 3/4"D. The workbench is 72"L x 36"W x 32"H and comes with a riser shelf 72"L x 18"W x 18"H which is pre-wired with six duplex receptacles protected with GFCI and a 15AMP breaker. A fluorescent light, foot rest, wrist strap and grounding hardware included. Some assembly required

Cat. No.	Description	Each
115-100	Sentry 100 StaticGard Workbench	$2495.00

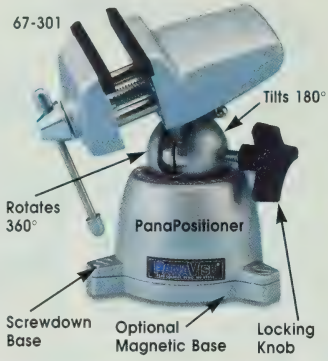
Price does not reflect additional freight charges to your location, which will be added to your invoice. Call for freight charges.

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

PanaVise

PanaVise has 5/8" shaft that fits into PanaPositioner. Vise jaws are 2 1/2" wide and open to a full 2 1/2" to firmly grip large work pieces. Comes with nylon jaws.

PanaPositioner rotates 360° and tilts 180° to achieve any compound angle. Versatile PanaPositioner can be used with any 5/8" shaft fixture. Three holes in base for permanent bench mounting. (USA)



Cat. No.	Mfr. No./Description	Each
67-301	303-P + 300 Workholding System	$47.00
67-135	303-P PanaVise only	25.25
67-127	300 PanaPositioner only	21.00
67-141	Optional Bench Clamp for PanaPositioner	41.00
441-335	Optional Magnetic Base for PanaPositioner	17.50

Wide Opening Workholder with Vacuum Base

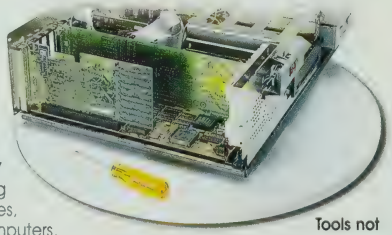


Sturdy vise opens to full 6" and has vertically mounted clamps for positioning. 5/8" shaft mounts in PanaPositioner with vacuum base. PanaPositioner rotates 360° and tilts 180°. One convenient knob locks work in position. (USA)

Cat. No.	Mfr. No./Description	Each
67-248	380 & 366 Workholder System	$53.95
67-154	380 Vacuum Base PanaPositioner	34.00
67-148	366 Vertical Vise	32.50

Service Turntable

- Speeds bench repairs
- Solidly built with 200 lbs. capacity



Perfect for servicing small electronic devices, appliances, micro computers, printers, typewriters, etc. Use it to hold test equipment shared between people on the same bench.

Covered in high impact, laminated plastic, the interlocked ball bearing base is maintenance free, rust resistant and offers an unrestricted 360° rotation. Lifetime manufacturer's warranty. (USA)

Cat. No.	Description	Each
767-509	Service Turntable, 24" diameter	$71.00
767-093	Service Turntable, 16" diameter	55.00

"Third Hand" Speeds Work



Frees both hands for soldering and making fine adjustments. Two adjustable arms with alligator jaws set in a heavy base prevents movement of the work. Extremely versatile; can be adjusted to almost any position and can hold small objects of almost any shape. (USA)

Cat. No.	Description	Each
68-215	Third Hand	$14.95

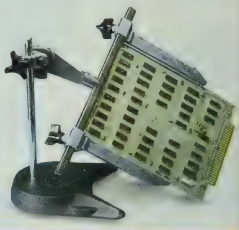
Multi-Angle Vacu-Vise



Tilts up to 90° and swivels a full 360°. Metal jaws are 3" wide and open to 2 3/4". Base is 6 1/4" triangular. Set of rubber jaws included. (USA)

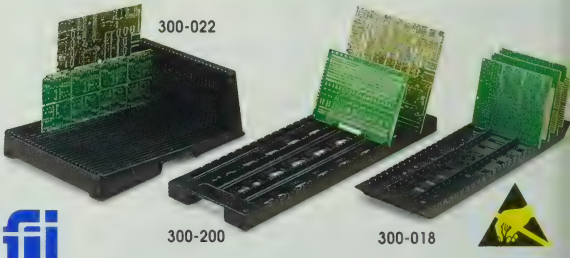
Cat. No.	Description	Each
39-148	Multi-Angle Vacu-Vise	$43.95
39-264	Replacement Rubber Jaws	2.95
39-265	Replacement Rubber Base	8.95

Circuit Board Holder



Six vertical tilt positions and eight positive rotational positions to full 360°. Heavy cast-iron base. Adjustable spring-loaded arm permits easy board insertion or removal. Accommodates boards up to 10" wide and 1/8" thick. (USA)

Cat. No.	Description	Each
441-333	Circuit Board Holder with 13" Crossbar	$68.50



Circuit Board Racks

- ESD safe conductive polypropylene construction

When properly grounded these units provide an effective path to drain static charges from sensitive circuit boards. Select from three popular styles to fit your specific application. (USA)

Cat. No.	Description	# Slots	Size	Each
300-022	Circuit Board Rack	25	14 x 10 x 5"	$24.00
300-200	Circuit Board Rack	21	20 x 7"	22.50
300-018	Circuit Board Rack	28	18 x 6"	17.95

3M

Workstation Grounding Kits



872-824 Deluxe Workstation Kit

Standard Workstation Kits consist of 2 x 4' tri-layer static dissipative table mat; wrist strap/table mat grounding cord with two banana jacks in a molded snap receptacle on one end and a terminal ring on the other end; one adjustable charge-guard wrist strap with a 5' coiled ground cord and 4 x 6' black floor mat constructed of conductive Velostat with a 15' grounding cord terminated with a snap fastener on one end and a terminal ring on the other. All grounding cords are terminated in 1MΩ resistance for operator safety.

Deluxe Workstation Kits include tri-layer constructed floormat for more comfortable cushioned surface. (Same color as table mat). (USA)

Cat. No.	Mfr. No./Description	Each
872-816	8034 Standard Workstation Kit, Blue	$255.00
872-814	8025 Deluxe Workstation Kit, Granite	279.00
872-824	8024 Deluxe Workstation Kit, Blue	279.00
872-188	8214 Tri-Layer Table Mat with Ground Cord, Blue	89.00
872-186	1864 Standard Floor Mat, Black, 4 x 6'	193.00

3M

Static Dissipative Field Service Kits



872-505



872-501

Mini Kit: Small, fits into 3.5" x 6.5" pocket in tool kit. Unfolds to provide 15" x 20" work surface.

Standard Kit: Large 22" x 24" work surface, usable as carrier. Two 8" x 11" pockets protect equipment. (USA)

Cat. No.	Description	Each
872-505	Mini Field Service ESD Kit	$62.00
872-501	Standard Field Service ESD Kit	66.50

WEARWELL

Electrically Conductive Anti-Fatigue Mats



Protects workers from fatigue. For use in areas where electro-static discharge (ESD) can harm facilities and electronic equipment. Nitricell™ sponge base provides superb cushioning support to ease back and leg stress and fatigue. Overall thickness 9/16". Beveled safety edges. Volume resistivity and resistance to ground 10^6 ohms. Includes grounding snap and ground cord. (USA)

Cat. No.	Description	Size	Each 1-5	6-11
158-009	Diamond-Plate ESD Floor Mat	3 x 5	$169.00	$155.48
158-010	Smooth ESD Floor Mat	3 x 5	169.00	155.48

JENSEN

ESD Field Service Kits

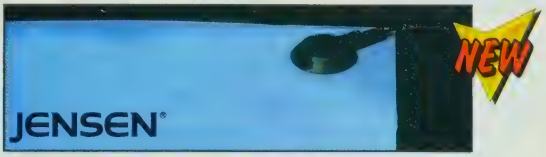


Jensen quality portable ESD workstations are lightweight and ruggedly constructed for years of service. Includes a fold-up dissipative work surface with storage pockets, standard elastic wrist strap with 6' cord and 10' common point ground with alligator and banana plugs. Surface resistivity: 10^8-10^9.

97-575 Standard Kit features 24" x 24" worksurface with two storage pockets.

97-585 Pocket Kit features 15" x 20" worksurface with one pocket. Folds easily to 3" x 6".

Cat. No.	Description	Each
97-575	Standard ESD Field Service Kit	$42.00
97-585	Pocket ESD Field Service Kit	34.50



2 x 4' ESD Two-Layer Bench Mat

Type T2 two-layer rubber mat meets all applicable EOS/ESD standards. Compatible with continuous monitors. Reversible - dissipative on one side, conductive on other. 0.060" thick. Burn-proof and resistant to many chemicals. Includes 10' common point ground. Blue.

Cat. No.	Description	Each
97-145	2x4' ESD Two-Layer Bench Mat	$72.95

JENSEN

3 x 5' Dissipative Floor Mat

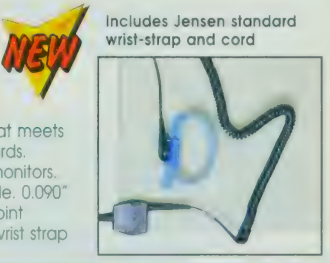


Type-F V-groove style floor mat constructed of rugged vinyl. Includes 10' grounding cord and connector. 1/8" thick. Gray. (USA)

Cat. No.	Description	Each
97-502	3x5' Dissipative Floor Mat	$84.00

JENSEN

2 x 4' ESD Workstation Kit



Includes Jensen standard wrist-strap and cord

Type B+ solid vinyl table mat meets all applicable EOS/ESD standards. Compatible with continuous monitors. Durable worksurface. Reversible. 0.090" thick. Includes 10' common point ground and standard elastic wrist strap with 6' cord. Blue. (USA)

Cat. No.	Description	Each
97-161	2x4' ESD Workstation Kit	$65.50

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JENSEN®
Standard Adjustable Wrist Strap



Constructed of the finest materials available for long service. 5/8" conductive fiber inner surface provides metal band performance with the comfort of cloth. Adjustable elastic material. Stainless-steel back plate. 1MΩ resistor. 6' coiled cord with 1/8" snap. Standard banana plug with removable alligator clip. Blue.

Cat. No.	Description	Each
97-936	Standard Adjustable Wrist Strap	$9.95

JENSEN®
Hook & Loop Adjustable Wrist Strap



Quick, easy adjustment to any size. 1" wide material for comfort. No exposed metal on outside. Includes 6' coiled cord with standard banana plug and removable alligator clip. 1/8" snap. Blue. (USA)

Cat. No.	Description	Each
65-095	Hook & Loop Adjustable Wrist Strap	$14.95

JENSEN®
ESD Heel Grounder



For use in areas where static floor mats or conductive flooring is being used. Velcro® fastener holds firmly in place. Built-in 1MΩ resistor. One size fits all. Black. (USA)

Cat. No.	Description	Each
97-560	ESD Heel Grounder	$6.95

3M
Charge-Guard Lightweight Adjustable Static Control Wrist Strap



Lightweight 5' coiled cord with banana plug and removable alligator clip. Hinged closure, easy handling snap fastener. (USA)

Cat. No.	Description	Each
872-224	Adjustable Wrist Strap, Red	$28.50

JENSEN®
Metal Adjustable Wrist Strap



➥ Cleanroom Safe

Expandable stainless-steel band is designed for comfort and reliability. Will not pinch or pull hair. Cleanroom compatible. One size fits all. Includes 6' coiled cord with standard banana plug and removable alligator clip. Blue. (USA)

Cat. No.	Description	Each
97-081	Metal Adjustable Wrist Strap	$19.95

IDEAL
Stat-Gard ESD Grounding System



➥ Provides proven ground for ESD safety

Insert Stat-Gard into 3-prong 120V receptacle and it automatically checks for open ground, open neutral, open hot, hot on neutral, reverse polarity, hot and ground reversed. Once receptacle is determined to be properly wired, plug the wrist strap into the banana jack provided and it's safe to begin work. Contains grounding receptacle tester, large wrist strap and a 10' ground cord. Works with other wrist straps also. (USA)

Cat. No.	Description	Each
600-046	Stat-Gard System	$55.00
600-038	Stat-Gard Receptacle Tester only	30.00



BOTRON
Combination Wrist Strap/Footwear Tester

Simple-to-operate, designed for fast, frequent testing. Selectable 100Meg range for footwear, 10Meg for wrist strap or toe/heel grounders. Requires 9V battery sold separately. (USA)

Cat. No.	Description	Each
97-250	Combination ESD Tester	$142.95
473-005	9V Alkaline Battery (one required)	3.15

Zoom Stereo Microscope Package

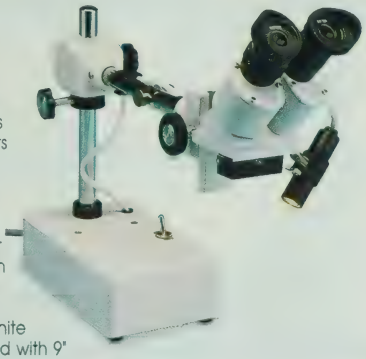


➥ **Complete system with boom stand and ring illuminator**

High-quality complete stereo inspection system provides crisp, high-resolution images. Zoom function provides continuously variable magnification. Parfocal design allows objects to remain in focus while zooming in or out. Dual power ranges 6.5-45X or 3.5-22.5X by installing 0.5X auxiliary lens included. Use of auxiliary lens increases working distance to 7.5" allowing plenty of working room under scope for rework or repair operations. 10X widefield eyepieces. Adjustable interpupillary distance with separate diopter adjustments. Includes heavy-duty boom stand with tilt, and knob-controlled fore-aft positioning, fluorescent ring illuminator with spare tube and starter. 115VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-001	Zoom Stereo Microscope Package	$1199.00

Stereo Inspection Microscope



➥ **10X and 20X magnification**

Excellent choice for electronic inspection and rework. Compact microscope takes up very little workspace, yet allows inspection of larger objects such as printed circuit boards, assemblies, etc. Provides a long working distance of 6" at 10X magnification. Convenient magnification change with slide-in objective modules. Built-in illuminator with articulating arm allows infinite positioning. Weighted stand with 9" arm is fully adjustable. 10X widefield eyepieces. Includes dust cover and rubber eye cups. 115VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-003	Stereo Inspection Microscope	$349.00

Deluxe Stereo Microscope



➥ **Selectable 20X or 40X magnification**

➥ **Bottom transmitted and overhead illuminators**

Compact general purpose stereo microscope is ideal for a wide variety of electronic and industrial applications. Includes 2X and 4X objectives and rotary turret with positive click stop for easy power change. 10X eyepieces are standard resulting in total magnification of 20-40X. Precision rack and pinion focus. 45° inclined eyetubes. Working distance: 3.15" at 20X. Includes dust cover and rubber eye cups. 115 VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-002	Deluxe Stereo Microscope	$249.00

WIDEX Illuminated Magnifiers



Wide view magnifier features a distortion free glass lens measuring 7 x 4¼". Reduces eye fatigue for increase productivity. Two 13W compact fluorescent lamps with a 10,000 hour life. Light output equivalent to 120W standard incandescent lamp. Lamps are controlled independently to produce shadow-free illumination. Lens housing is GE Valox engineered static and scratch resistant resin. 9' grounded power cord. 115VAC. Five year warranty. (USA).

381-005: Clamp-mount model with 45" reach.

381-006: Weighted-base model with 30" reach. Fully portable.

Cat. No.	Description	Each
381-005	Widex Illuminated Magnifier, Clamp-mount	$245.00
381-006	Widex Illuminated Magnifier, Weighted-base	269.00
381-015	Replacement Lamp Module	18.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



KFM® Series Magnifier Lamps

- "Instant on" switch
- Totally adjustable

Balanced arm moves with a touch but stays in place without adjustments. Main 5" diameter 3-diopter lens is built into the lamp and is made from precision ground glass. Optional **8-Diopter Lens** snaps inside and increases magnification to 11-diopter. 22W T-9 fluorescent tube is cool, energy efficient, and provides bright, uniform, and shadowless illumination. **28-200** has a clamp mount and arm reach of 45". **28-005** has a weighted base and arm reach of 30". Five year warranty. (USA)

Cat. No.	Mfr. No./Description	Each
28-200	KFM-1A Lamp with Clamp Mount	$225.00
28-005	KFM-2EE Lamp with Weighted Base	275.00
28-210	Optional 8-Diopter Lens	48.50
26-101	Replacement 22W T-9 Fluorescent Tube	12.00
28-002	Replacement Clamp Bracket	11.95



Wave-Plus™ Magnifier

Offers increased light output and magnification power. Twin 13W fluorescent lamps may be switched independently for three-dimensional or shadow free illumination. $6^{3}/_{4}$" x $4^{1}/_{2}$" stadium-shaped 3.5-diopter lens. Fully adjustable arm with 45" reach. Clamp base opens to $2^{1}/_{4}$". Optional **8-Diopter Lens** mounts easily on top of magnifier. Three conductor power cord. 115VAC. Five year warranty. (USA)

Cat. No.	Description	Each
28-801	Wave-Plus Magnifier with Clamp Mount	$325.00
28-621	Optional 8-Diopter Lens	48.50
28-811	Replacement 13W Fluorescent Tube	23.00
28-002	Replacement Clamp Bracket	11.95

Circline Illuminated Magnifier

- Shadow-free lighting
- Easy to move
- Clamps anywhere

Distortion-free glass is housed in an all-metal head. Lamp is a 22W circular T-9 bulb providing the same amount of light as a 75W incandescent, without the heat. The floating arm positions the magnifier lamp where needed. 42" reach. Sleek, hidden-spring design. Clamp attaches to any side of a table or desk, flat or tilted. 115VAC. Five year warranty. (USA)

Cat. No.	Description	Each
531-288	Circline 3-Diopter Magnifier Lamp	$175.00
531-205	Circline 5-Diopter Magnifier Lamp	202.00
531-140	Add-A-Lens 8-Diopter (for 531-288 only)	36.00



Economy Illuminated Magnifier

Features quality all-metal construction. 3-diopter lens. 22W circular fluorescent lamp. 45" reach balanced arm is fully adjustable. Shade includes grab handle for effortless positioning. 115VAC. One year manufacturer's warranty.

Cat. No.	Description	Each
606-501	Illuminated Magnifier	$79.50
26-101	Replacement 22W Lamp	12.00



Rectangular Illuminated Magnifier

Large 3-diopter $7^{1}/_{4}$" x $6^{1}/_{4}$" lens offers wide crystal-clear view. Dual 9W fluorescent lamp modules offer bright, shadow-free illumination. 36" reach balanced arm. Heavy die-cast clamp attaches easily to most work surfaces. 115VAC. One year manufacturers warranty.

Cat. No.	Description	Each
606-515	Economy Rectangular Illuminated Magnifier	$145.00

ELECTRIX INC.

Alpha-Series Halogen Magnifier



Portable, compact unit features a powerful energy saving 50W halogen task lamp providing 150% the output of a standard 100W bulb. 5" diameter, 3-diopter magnifier. Lamp and magnifier mounted on separate 22" reach flexible arms. Provides for highly detailed inspection under bright, white light. Lamp shade with built-in UVB filter remains cool during operation. All metal construction and 9' grounded power cord. Five year manufacturer's warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
381-001	Halogen Magnifier	$150.00	$135.00
381-011	Replacement 50W Bulb	7.50	6.75

BAUSCH & LOMB

Folding Pocket Magnifiers



General purpose magnifiers feature two individual lenses in a swing-away protective case that doubles as a handle. Lenses can be used alone or in combination to produce three different powers.
11-122: working distance: 2.5 - 1.1".
11-123: 2.0 - 0.8". (USA)

Cat. No.	Description	Magnification	Each 1-5	6-11
11-122	Folding Pocket Magnifier	4-9x	$18.95	$17.06
11-123	Folding Pocket Magnifier	5-12x	18.95	17.06

Fowler



Illuminated Magnifier

Features 10x magnification with excellent illumination. Includes a rust-proof brass battery case. Requires two "C" batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
102-050	Illuminated Magnifier	$33.00	$29.70
473-003	Alkaline C Battery	1.51	-

Hands-Free Dual Lens Magnifier

MagEyes®



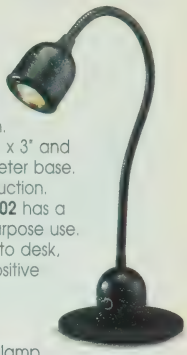
➥ Includes 1.6X and 2X lenses

This head-mounted magnifier offers distortion-free magnified viewing in a comfortable, ultra-lightweight (1.75 oz.) unit. Binocular lenses pop out to change power. Cushioned headband. Visor swings out of the way when not in use. Wear with or without eyeglasses. (USA)

Cat. No.	Description	Each 1-5	6-11
472-001	MagEyes Hands-Free Dual Lens Magnifier	$24.50	$22.05

ELECTRIX INC.

Halogen Task Lamps



Versatile task lamps deliver bright, white light exactly where needed. Low-voltage, 20W halogen lamp mounted on 25" reach flexible arm. Compact shade with built-in UVB filter measures 3 x 3" and remains cool during operation. Compact 3" diameter base. 9' grounded power cord. Durable all-metal construction. 115VAC. Five year manufacturer's warranty. **381-002** has a weighted-base, desk-mount model for general purpose use. **381-003** is a clamp-mount model for attachment to desk, workstation, etc. Includes heavy-duty zinc-cast positive locking clamp for surfaces up to 2.25" thickness. **381-004** is a magnetic base model for instant attachment to any vertical or horizontal metal surface with its 80 lb. magnet. Excellent machine lamp has extended 30" reach flexible arm. (USA)

381-002

Cat. No.	Description	Each 1-5	6-11
381-002	Halogen Task Lamp w/Table Mount	$110.00	$99.00
381-003	Halogen Task Lamp w/Clamp Mount	107.50	96.75
381-004	Halogen Task Lamp w/Magnetic Mount	112.50	101.25
381-022	Replacement 20W Bulb	9.50	8.55

BAUSCH & LOMB

Watchmaker's Loupes



➥ Single and double lens models

Lightweight and easy to wear, making inspection and small parts assembly simpler and easier. Reduce eye strain, help eliminate errors and increase efficiency. (USA)

Cat. No.	Working Distance	Magnification	Each 1-5	6-11
11-102	1"	10x	$13.95	$12.56
11-104	1.5"	7x	11.25	10.13
11-106	2"	5x	11.25	10.13
11-114*	1.25, 0.5"	8x, 18x	24.00	21.60

*Double lens model

BAUSCH & LOMB

Illuminated Coddington Magnifier



➥ 10-power

Lens is thick cylinder of glass V-grooved at the center. Tip of flashlight bulb in groove sends light through the lens. The lens itself illuminates the object being examined. 10X magnification. Operates on AA penlight batteries sold separately. 5 1/2" long. (USA)

Cat. No.	Description	Each 1-5	6-11
11-161	10-Power Magnifier w/Bulb	$27.00	$24.30
473-002	Alkaline AA Battery	.91	-

Super Magna-Lite



➥ 2X lens with 4X bifocal
➥ Includes flashlight

Large size model with unbreakable, 3 1/2" diameter optical quality magnifying lens. Wide lens plus bright illumination allows easier inspection of microcircuits, miniature assemblies, and intricate detail work. Ruggedly built, weighs 7 1/2 oz. 9" long. Complete with bulb and AA penlight batteries. (USA)

Cat. No.	Description	Each 1-5	6-11
152-200	Super Magna-Lite	$17.95	$16.16

For replacement batteries, see page 282

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

MADE IN USA



MAG MAGLITE

Flashlights

- Anodized aluminum construction
- Adjusts from spot to flood
- All models include spare bulb
- Full lifetime warranty

C and D Cell Maglites feature patented self-cleaning switch with rubber thumb button and White Star® krypton bulb. Requires two batteries sold separately.

Mag Charger™ System features NiCad battery, charger works on 12V power or 120VAC outlet. One-hour charging time. Includes Mag Charger flashlight, 12/120V charging unit, battery pack and two mounting brackets.

Cat. No.	Description	Each 1-5	6-11
686-004	C-Cell Mag-Lite, 2-Cell	23.50	21.15
686-006	D-Cell Mag-Lite, 2-Cell	26.50	23.85
686-008	Mag Charger System	129.00	116.10
686-007	Replacement Bulb, C or D Cell, 2/pk.	2.50	2.25
686-009	Replacement Bulb, Mag Charger	5.70	5.13
473-003	Alkaline C Battery	1.51	-
473-004	Alkaline D Battery	1.57	-

For replacement batteries, see page 282

NEW



Tek-Vue Lighted Magnifier



- Fits Mini-Maglite Flashlights
- Unique design allows for detailed viewing down small holes to 1" deep

High-performance magnifier attachment fits Mini-Maglite flashlights (sold separately, this page). Coaxial illumination provides wide area illumination and a bright, narrow light beam straight down, allowing clear viewing of surface details to bottom of small holes. 3.8x magnification. One-year manufacturer's warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
260-100	Tek-Vue Lighted Magnifier	$14.95	$13.46

MityLite™ Mini-System



Watertight to 500'. Unbreakable high-impact polycarbonate resin. Xenon lamp is 400% brighter than ordinary pocket lights. FM, CSA, CENELEC and AUS approved non-incendive. Includes MityLite, spare lamp, 90° light adapter, night vision lens, spare O-ring, two AAA batteries, key-chain ring. (USA)

Cat. No.	Description	Each
432-196	MityLite Mini-System	$16.95
432-190	MityLite Flashlight Only	12.50
432-198	Replacement Lamp	4.75

For replacement batteries, see page 282

NEW



MAG MAGLITE

Mini Maglite® Miniature Flashlights

Measures less than 6" and fits easily into pocket or tool kit. Rugged anodized aluminum construction. Adjusts from spot to flood. Includes spare bulb in tail-cap. Supplied in presentation box. Includes two AA alkaline batteries. Full lifetime manufacturer's warranty.

686-001 Mini Maglite Combo includes flashlight (black), pocket clip, lanyard wrist strap, lens holder, red/amber/clear lenses, and two AA alkaline batteries. (USA)

Cat. No.	Description	Each 1-5	6-11
686-002	Mini Maglite, Black	$14.50	$13.05
686-010	Mini Maglite, Red	14.50	13.05
686-011	Mini Maglite, Blue	14.50	13.05
686-001	Mini Maglite Combo, Black	17.50	15.75
686-003	Replacement Bulb, Mini Maglite, 2/pk.	2.50	2.25

For replacement batteries, see page 282



Mini Maglite® Accessories

Fits Mini-Maglite and other miniature flashlights. Flexible **Fiber Optic Adapter** provides precise illumination of the smallest areas. **Cordura® Holster** with belt loop provides protection and convenience. **Headband** turns most mini-flashlights into a headlamp. Comfortable non-elastic headband remains stable during activity. (USA)



Cat. No.	Description	Each 1-5	6-11
632-001	Fiber Optic Adapter, 7"	$7.00	$6.30
401-005	Fiber Optic Adapter, 20°	9.00	8.10
216-429	Cordura Holster	5.95	5.36
401-004	Headband, AA size	5.99	5.39

Illuminated Magnifier Visor



NEW

Ideal for hands-free precision work and inspection. Includes 4 interchangeable lenses: 1.2x, 1.8x, 2.5x and 3.5x.. Lens swivels out of the way when not in use. Built in illuminator head swivels to most any position. Comfortable, fully adjustable headband. Includes storage case for lenses. Requires two AAA batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
803-550	Illuminated Magnifier Visor	$49.95	$44.96
473-001	AAA Alkaline Battery (two required)	.94	-

STREAMLIGHT®

TopSpot Combination Flashlight/ Headlamp



➥ **5600 candlepower Krypton bulb**

Adjustable beam focus and powerful light source make this light ideal for demanding field use. Padded inner lining and elastic band allows the unit to convert to headlamp for hands-free operation. Operates 4 1/2 hours on four AA batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
777-739	TopSpot Flashlight/Headlamp	$25.00	$22.50
777-738	Replacement Bulb	3.50	3.15
473-002	AA Alkaline Battery (four required)	.91	-

Tracker™ Clip-on Flashlight



Ultra-compact, lightweight flashlight measures 3 1/2 x 1 1/4" and features a powerful xenon bulb and focused reflector. O-ring sealed and submersible to 300 ft. Built-in clip quickly fastens to tool kit or cap brim. Removable key ring/lanyard. Requires 2 AAA batteries included. Lifetime factory warranty. (USA)

Cat. No	Description	Each 1-5	6-11
432-140	Tracker Clip-on Flashlight	$10.95	$9.86

For replacement batteries, see page 282

Rechargeable StealthLite™ System



Watertight to 500'. FM and CSA approved non-incendive. Rugged, corrosion-proof ABS case. Xenon lamp module provides high intensity light. High-capacity NiCad battery pack yields up to 1000 charges. 1.2 hour continuous burn time. Includes StealthLite, snap-in desk/dash mount base with charger, high-capacity battery pack. 115VAC charger. (USA)

Cat. No.	Description	Each
432-245	Rechargeable StealthLite System	$71.50
432-246	Replacement Lamp	11.25

Heads Up Lite™ Hands-Free Headlamp



Watertight to 500'. Two krypton lamps, one high-intensity and one low-intensity for extended burn time. Adjustable beam. Large on/off switch. Corrosion proof ABS polymer construction. Comfortable forehead pad and cloth elastic headband fastens securely to head or hats. Four AA batteries included. (USA)

Cat. No.	Description	Each
432-260	Heads Up Lite Hands-Free Headlamp	$31.50
432-264	Replacement Bulb, Low-Intensity	2.95
432-265	Replacement Bulb, High-Intensity	2.95

For replacement batteries, see page 282

VersaBrite II™ Flashlight



Versatile flashlight attaches to caps, coats, belts and hard hats. Multi-position o-ring sealed swivel head allows light to be positioned at any angle. High-output xenon bulb, precision focus reflector. Durable resin construction. Includes clear, red, and green disc, two AA batteries. (USA)

Cat. No.	Description	Each
432-227	VersaBrite II Flashlight	$15.25
432-228	Replacement Lamp	5.75

For replacement batteries, see page 282

Super SabreLite® Xenon Flashlight



Submersible to 2000'. FM, CSA, MSHA, UL and AUS approved non-incendive. Meets UL Class 1, Division 1 and applicable military specs. Unbreakable polycarbonate construction. Xenon lamp is 400% brighter then conventional flashlights. Includes belt spring clip, stainless split-ring, lanyard. Requires three C batteries sold separately. (USA)

Cat. No.	Description	Each
432-200	Super SabreLite Xenon Flashlight	$29.95
432-201	Replacement Lamp	10.50
473-003	Alkaline C Battery (three required)	1.51

Super PeliLite™ Xenon Flashlight



➥ **UL Class 1, Division 1 approved**

FM, CSA, AUS and MSHA approved non-incendive. 400% greater light output than conventional flashlights. Watertight to 500'. Unbreakable high-impact polycarbonate construction. Includes lanyard. Requires two C batteries sold separately. (USA)

Cat. No.	Description	Each
432-180	Super PeliLite Xenon Flashlight	$21.95
432-181	Replacement Lamp for Super PeliLite	9.95
473-003	Alkaline C Battery (two required)	1.51



STREAMLIGHT®

Vulcan™ Rechargeable Lantern

➥ **Factory Mutual approved for use in hazardous locations**

Lightweight and powerful, the Vulcan features a halogen bi-pin 6 watt spot bulb providing up to 40,000 candlepower. 6 volt 4Ah sealed lead-acid battery provides nearly 4 hours continuous run time and is guaranteed for up to 500 recharges. Waterproof to 100'. Non-conductive, high-impact ABS thermoplastic housing with cushioned grip handle. Sparkless solid-state switch. Meets FM Class I, Division 2, Groups A, B, C, D temperature rating T2A and Class II, III, Division 2, Groups F, G temperature rating T3C. Includes battery, AC/DC chargers, charging rack and shoulder strap. 7 1/2" x 5 x 7 3/4". 3.3 lbs. Safety yellow. (USA)

Cat. No.	Description	Each 1-5	6-11
434-017	Vulcan Rechargeable Lantern	$99.95	$89.95





Industrial Flashlights

221-618 High-impact industrial flashlight Requires two D-batteries sold separately.
221-217 UL and Bureau of Mines approved waterproof safety model Requires two D batteries sold separately.
221-100 AA penlight with on-off switch, batteries included.
1-020 AAA penlight, batteries included. (USA)

Cat. No.	Description	Each
221-618	Industrial Model Flashlight	$8.75
221-217	Safety Model Flashlight	11.90
221-100	Penlight w/AA Batteries	4.75
1-020	Penlight w/AAA Batteries	4.25
133-121	Magnetic Flashlight Holder, AA size	9.95
133-021	Magnetic Flashlight Holder, D size	19.95
473-004	Alkaline D Battery	1.57

For replacement batteries, see page 282

KOEHLER-BRIGHT STAR

Nite Tracker® Cordless Rechargeable Spotlight



Incredibly bright, 1-million candlepower spotlight will light up objects over a mile away. 20x brighter than auto headlights with minimal battery drain. Operate from any 12V DC source, or internal battery allows 20-minute operating time. 100w quartz halogen lamp with parabolic reflector. Dual recharge: AC house current or 12V DC power source. Shatter-proof Lexan® lens. Includes AC and DC recharging cords. (USA)

Cat. No.	Description	Each 1-5	6-11
160-006	Cordless Rechargeable Spotlight	$86.50	$77.85



STREAMLIGHT®

Stylus™ Hi-Intensity LED Penlights

➥ **Choice of LED color**

Finely crafted, ultra-slim penlights feature a hi-intensity LED "solid-state lamp" which lasts 100,000 hours and emits bright white, red, or blue light. White models emit natural light for general purpose use. Blue and red models are excellent for use where preserving night vision is important. Operates over 10 hours on AAAA alkaline batteries included. Waterproof case is quality constructed of 6000-series tempered aircraft aluminum with black or gold anodized finish. Long or short lengths. Non-slip knurled grip. Pocket clip. Momentary and constant-on switches. Individually serialized with lifetime manufacturer's warranty. 434-022 features an attractive gold-anodized finish and presentation box. (USA)

Cat. No.	Description	Case Color	Light Color	Length	Each
434-018	Stylus Penlight	Black	White	6 1/2"	$19.95
434-020	Stylus Penlight	Black	Blue	6 1/2"	19.95
434-021	Stylus Penlight	Black	Red	5"	15.95
434-022	Stylus Penlight	Gold	White	6 1/2"	22.95

For replacement batteries, see page 282

NEW



STREAMLIGHT®

PolyStinger™ Rechargeable Flashlight

Rugged flashlight has the power of flashlights many times its size. Xenon bulb produces 15,000 candlepower. Constructed of non-conductive nylon polymer with non-slip grip and unbreakable Lexan® lens. One-hour continuous run-time. UL safety approvals Class 1, Div. 2 Groups A,B,C,D Temp Rating T1 Class II, Div. 2, Group G Temp Code T3. Includes NiCd battery pack, 120V charger, 12VDC automotive charger, two charging holders, spare bulb in tail-cap. 7 3/8" long. 8.7 oz. (USA)

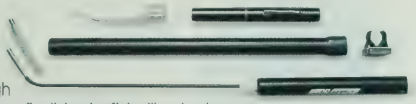
Cat. No.	Description	Each
434-019	PolyStinger Rechargeable Flashlight	$119.00

SAF/LITE® Fluorescent Trouble Light

Lights a greater area than a 150W incandescent bulb for 1/10 the electricity. 15W fluorescent lamp is replaceable and protected by shatter-proof insulated enclosure. 25' cord, hanging hook. 115VAC. 20 x 1 3/4". (USA)

Cat. No.	Description	Each
895-525	Fluorescent Trouble Light	$45.00

Portable Bend-A-Light Kit



Combines a high intensity beam with a flexible shaft to illuminate hard-to-reach areas. 1/8 x 10" shaft bends to almost any configuration. Reaches into areas as small as 1/4" wide. **Kit** includes a 16" Bend-A-Light, extension, mirror, separate hi-intensity penlight, and vinyl storage case. Uses three AA batteries sold separately. (USA)

Cat. No.	Description	Each
891-030	Bend-A-Light Kit	$35.95
891-101	Bend-A-Light Only	19.95
891-100	Replacement Bulb	6.95
473-002	AA Alkaline Battery (three required)	.91

Trouble Light



Rugged incandescent trouble lights accept a 75-watt or smaller standard light bulb. Metal hood and swing-open guard. Tough phenolic handle. Push-through power switch and single electrical outlet. Safety orange cord with three-wire plug.115VAC. (USA)

Cat. No.	Description	Cord Length	Each 1-5	6-11
543-256	Trouble Light	25'	$21.00	$18.90
543-506	Trouble Light	50'	27.00	24.30

SAF/LITE® "Stubby II" 12V Worklights



Provides conventional area light plus end light for illumination of tight places. Rugged-service 13W fluorescent tube delivers light output equivalent to 60W incandescent with higher efficiency and longer life. Draws one amp at 12VDC. Unbreakable Lexan outer tube. Available with straight or coiled cable, both with standard cigarette lighter plug.

Optional **12VDC Utility Pack/Charger** provides up to 5 1/2 hours of continuous power to 408-713 and 408-714 worklights, Will also power test equipment, computer products, tools, cellular phones, two-way radios, and more. Uses a sealed, maintenance-free, lead-acid battery (gel-cell), providing a capacity of 7A/hr. Includes two-stage charger, and padded Cordura waist pack; optional shoulder strap available. Worklights and Power Pack each have one year manufacturer's warranty. (USA)

Cat. No.	Description	Each
408-713	Stubby II 12V Worklight w/5' Coiled Cord	$66.00
408-714	Stubby II 12V Worklight w/20' Straight Cord	63.00
408-780	12VDC Utility Pack/Charger	135.00
408-781	Shoulder Strap for Power Pack	14.50

Portable Halogen Worklight



➥ **500 watts of power**

Powerful worklight features quality all metal construction. 90-degree tilting head. Weatherproof. Insulated rubber grip handle. On/off switch. 5' 18/3 SJTW-A power cord. Safety guard lens. Includes 500 watt halogen tube.

Cat. No.	Description	Each 1-5	6-11
543-770	Portable Halogen Worklight	$21.00	$18.90

SAF/LITE® "Stubby" Worklights



➥ **High-intensity fluorescent lamp: 4X more efficient than incandescent**

➥ **Meets OSHA standards**

"Stubby" worklights are ideal for getting into small openings or tight turns. 13W fluorescent lamp is safe to handle, won't get hot, no danger of burns. Produces as much light as a 60W incandescent with lower energy consumption and bulb life up to 10x longer (10,000 hours typical). Full-length reflector for non-glare illumination. Constructed for rough-service with Lexan outer tube and protected power switch. Includes metal mounting hook. Optional **magnetic mounting clamp** provides added convenience. 115VAC. (USA)

408-141: Standard "Stubby" worklight with 25' power cord.

408-142: "Stubby II" Includes all features of the standard "Stubby" with the addition of reflected end lighting similar to a conventional flashlight for seeing into tight places

408-331 "Stubby" worklight on a fully grounded steel power reel with 40' retractable light cord and 2' line cord.

Cat. No.	Description	Each
408-331	Stubby Worklight w/40' Power-Reel	$89.00
408-141	Stubby Worklight w/25' Cord	39.00
408-142	Stubby II Worklight w/25' Cord	52.00
408-830	Magnetic Mounting Clamp	9.95
408-013	Replacement Lamp Assembly	9.95

JENSEN TOOLS INC.
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STANLEY

NEW

Surge Protectors

$20,000 connected-equipment warranty. Ground and surge protection indicators. Six grounded outlets. 740-900 joule protection.

294-001 Inline model features 6' power cord, 15A circuit breaker, unused outlet lock-outs and cord management claws.

294-002 Wall mount model features phone/fax/modem protection with built-in line splitter.

Cat. No.	Description	Each 1-5	6-11
294-001	Surge Protector, Inline	$14.95	$13.46
294-002	Surge Protector, Wall Mount	10.95	9.86



EXTECH INSTRUMENTS

Programmable Timer Switch

Program up to six-on and six-off switchings per day or week. Program for individual days, Mon-Fri, Mon-Sat, Mon-Sun, or Sat-Sun. Built-in clock with one year battery backup. Single three-prong outlet and hangs from wall outlet. 115VAC 60Hz only.

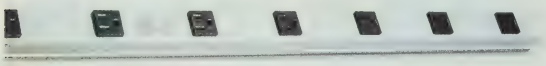
Cat. No.	Description	Each 1-2	3-9
608-034	Programmable Plug-In Timer Switch	$39.00	$37.83

50' Tri-Connect Outdoor Extension Cord



14-gauge, 3-wire grounded extension cord with three grounded outlets. Rated 15A (1875W) load. Orange vinyl. (USA)

Cat. No.	Description	Each 1-5	6-11
394-100	50' Tri-Connect Extension Cord	$23.00	$20.70



TRIPP LITE POWER PROTECTION

8-Outlet Industrial-Grade Power Strip

Convenient multiple AC outlets wherever needed. Heavy-duty metal housing stands up to demanding comm-site, network, lab or factory environments. Configured to mount on walls, workbenches or inside rack enclosures. On/off switch. 15A circuit breaker. Eight NEMA 5-15R three-prong grounded outlets. 15' power cord.

Cat. No.	Description	Each 1-5	6-11
205-408	8-Outlet Industrial Power Strip, 24"	$51.00	$49.50



Economy Power Strip

Rugged six-outlet power strip features metal case with enamel finish. 15A circuit breaker with reset button. MOV circuit provides surge protection. 6', 14 AWG power cord. Rated 125VAC, 15A, 1875W. UL and CSA listed.

Cat. No.	Description	Each 1-5	6-11
502-667	6-Outlet Power Strip	$12.95	$11.65

TRIPP LITE POWER PROTECTION

Surge Suppressor with Modem/ FAX Protection



Provides surge and noise suppression for both equipment power line and telephone line input. Suppression up to 450 joules. Will handle up to 27,000A spikes. Six electrical outlets. 3.5' power cord. RFI/EMI line noise filtering exceeds 20dB at 1Mhz. "Protected" LED. RJ-11 jacks for modem/FAX. Lifetime warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
205-006	Surge Suppressor w/Modem/FAX Protection	$21.00	$18.90

Multi-Use Cord Reel



Features six grounded three-prong outlets and 20', 16 gauge three-conductor power cord. Rated for both indoor and outdoor use. Provides the convenience of an extension cord and power distribution panel in one compact self-storing unit. Circuit breaker guards against over-loads above 10 amps. Durable heavy plastic case.

Cat. No.	Description	Each 1-5	6-11
756-500	Six-Outlet Multi-Use Cord Reel	$31.00	$27.90

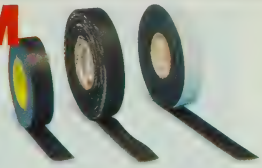
Rugged Outdoor Extension Cords



Industrial-quality three-wire grounded extension cords. All-season vinyl jacket remains flexible. Meets OSHA and UL standards. Heavy-duty 12-gauge or medium-duty 16-gauge wire. 125VAC rated. (USA)

Cat. No.	Description	Length	Amps/Watts	Each 1-5	6-11
543-001	12-Ga. Extension Cord	25'	15/1875	$15.95	$14.36
543-002	12-Ga. Extension Cord	50'	15/1875	26.00	23.40
543-003	12-Ga. Extension Cord	100'	15/1875	46.00	41.40
543-004	16-Ga. Extension Cord	50'	13/1625	16.75	15.07
543-005	16-Ga. Extension Cord	100'	10/1250	28.50	25.65

Electrical Tapes



2242 linerless electrical rubber splicing tape is good for all voltage splicing, insulating and jacketing and can withstand temperatures up to 194°F, 266°F short term.

1755 cotton friction tape is designed to provide abrasion protection in wire and cable splices as well as an overwrap for mechanical protection. (USA)

Cat. No.	Mfr. No./Description	Size	Each 1-5	6-11
251-242	2242 Rubber Tape	3/4" x 15'	$4.95	$3.96
251-755	1755 Friction Tape	3/4" x 60'	2.95	2.36

3M Duct Tape

NEW



Quality polyethylene-coated tape for moisture proofing, duct sealing, protection and general purpose applications. 2" tape width. Furnished in 60-yard rolls with 3" core. (USA)

Cat. No.	Description	Each 1-5	6-11
251-696	Duct Tape, Black	$10.95	$9.86
251-697	Duct Tape, Silver	10.95	9.86

Heat Shrink Tubing Kit

- 86 4" pieces in 6 sizes
- Meets Mil Standard 23053/5



Sizes and amounts included are (36) 3/16", (24) 1/4", (12) 3/8", (6) 1/2", (4) 3/4", and (4) 1". 1/2" expanded diameters when shrunk. Flame retardant with UL and CSA certification. Recommended shrinking heat is 120-250°C. (USA)

Cat. No.	Description	Each 1-4	5-11
426-135	Heat Shrink Kit, 86 pc.	$17.50	$14.00
426-352	3/16" Refill, Black, 36 pc.	4.75	3.80
426-353	1/4" Refill, White, 24 pc.	4.75	3.80
426-354	3/8" Refill, Red, 24 pc.	4.75	3.80
426-355	1/2" Refill, Black, 12 pc.	3.75	3.00
426-356	3/4" Refill, White, 12 pc.	3.75	3.00
426-357	1" Refill, Red, 8 pc.	3.75	3.00

Hook & Loop and Dual Lock Reclosable Fasteners



- Advanced closure alternatives

Hook & Loop Fasteners offer general purpose fastening with pressure-sensitive rubber adhesive that bonds to most surfaces.

Dual Lock Reclosable Fasteners are for high performance applications and have a very high bond UV and plasticizer resistant adhesive. (USA)

Cat. No.	Description	Size	Each 1-4	5-11
251-526	Hook & Loop Fasteners, Black	1" x 4.9 yds.	$37.00	$29.60
251-560	Dual Lock Reclosable Fasteners, Clear	1" x 4.9 yds	81.25	65.00

Electrical Tapes



- High quality 33+ series
- UL listed

1700 Series is for less demanding indoor jobs. **33+ Black Tape** is designed for more demanding environments. **35 Color Series** is perfect for those jobs that require color-coding. (USA)

Cat. No.	Mfr. No./Description	Size	Each 1-5	6-11
251-033	33+ Black Vinyl Tape w/Dispenser	–	$5.25	$4.72
251-131	33+ Black Vinyl	3/4" x 66'	3.95	3.56
251-132	35 White Vinyl	3/4" x 66'	3.75	3.38
251-136	35 Red Vinyl	3/4" x 66'	3.75	3.38
251-139	35 Green Vinyl	3/4" x 66'	3.75	3.38
251-175	35 Orange Vinyl	3/4" x 66'	3.75	3.38
251-176	35 Yellow Vinyl	3/4" x 66'	3.75	3.38
251-178	35 Blue Vinyl	3/4" x 66'	3.75	3.38
251-189	1700 Temflex Tape, rolls, 10/pk.	–	7.25	6.53

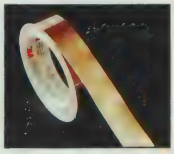
Heat Shrinkable Tubing



Meets MIL-1-23053/5, AMS-3636 and AMS-3637. Hot air heat is preferred for shrinking process, however any heating device capable of delivering 250°F can be used. Contains thirty 6" length pieces in assorted diameters and colors. (USA)

Cat. No.	Description	Each 1-5	6-11
80-856	Heat Shrinkable Tubing	$7.50	$6.75

3M Scotch™ EMI/RFI Copper Shielding Tapes



0.0014" thick foil tape is conductive and 0.005Ω resistant through adhesive. (USA)

Cat. No.	Mfr. No./Description	Size	Each 1-5	6-11
251-291	1181 Copper Tape	1" x 18 yds.	$39.95	$35.95

Master Lock



40-176

40-005

40-315

40-175

Locks

Combination Locks have solid brass body, resettable combinations and are great for use on shipping containers.

Medium/Heavy-Duty Key Locks have hardened steel shackle, good pick resistance, and are great for tool/storage boxes.

Medium-Duty Weather Tough Key Locks have a thermoplastic shell that withstands temperature extremes. (USA)

Cat. No.	Description	Shackle	Each 1-5	6-11
40-175	Combination Lock	1"	$18.95	$17.06
40-176	Combination Lock	2 1/4"	19.95	17.95
40-003	Medium-Duty Lock	3/4"	7.95	7.16
40-005	Heavy-Duty Lock	1"	10.95	9.86
40-315	Weather Tough Lock, Yellow	1 1/8"	9.75	8.78

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Electronic and Industrial Products

Envi-Ro-Tech™ 1671 Duster: HFC-134a gas removes particles without harmful solvents. 10 oz. aerosol with reusable chrome trigger assembly or 10 oz. disposable aerosol fixed trigger valve.
Envi-Ro-Tech 1672 Freeze Spray: Chills to 62°F, locates faulty components, cold solder joints, etc. 10 oz. disposable aerosol.
Envi-Ro-Tech 2410 Kleen-It: Cleans and lubricates, contains silicone. Non-flammable. 12 oz. disposable aerosol.
Envi-Ro-Tech 1677 Universal Cleaner: Removes oils, grease, dirt, silicone, fluxes, etc. Safe for use on most electronic equipment. 12 oz. disposable aerosol.

Cat. No.	Mfr. No./Description	Each
806-670	1671 Duster w/Chrome Trigger, 10 oz.	$35.00
806-673	1671 Duster Refill for 806-670, 10 oz.	7.50
806-928	- - - Chrome Trigger only	27.50
806-671	1671 Disposable Duster, 10 oz.	7.25
806-672	1672 Freeze Spray, 10 oz.	8.25
806-410	2410 Kleen-It, 12 oz.	12.50

1610 Isopropyl Alcohol Wipes: Cleans tape heads, removes flux, light oils and white mineral residue. 48 wipes saturated with 99% pure isopropyl alcohol in anti-static pop-up dispenser.
1665 Flux Remover AMS: Superior flux removal for type R, RMA, RA and synthetic fluxes. Non-flammable, safe on plastics, metals and elastomers.
1667 Blue Shower® II: General cleaner and degreaser. Removes hand oils, solder oils, greases, silicone, fluxes and similar soils. Excellent for tape head cleaning and general degreasing. Non-flammable, safe on plastics and metal.

Cat. No.	Mfr. No./Description	Each
806-677	1677 Universal Cleaner, 12 oz.	$11.00
806-610	1610 Alcohol Wipes, 48/pk.	15.00
806-665	1665 Flux Remover AMS, 8 oz.	15.95
806-667	1667 Blue Shower II, 8 oz.	15.25

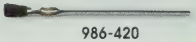
EURO TOOL®

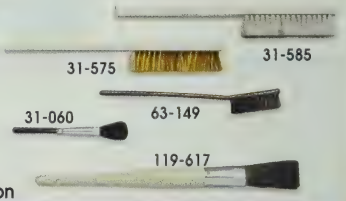
Retractable Scratch Brushes



For removing contamination and corrosion from hard-to-reach areas. Metal ferrules for durability. Twist cap to lengthen or shorten bristles. (Germany)

Cat. No.	Description	Each 1-5	6-11
803-292	Scratch Brush, Steel Bristles	$6.50	$5.85
803-293	Scratch Brush, Nylon Bristles	5.75	5.17



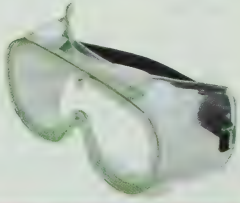


Utility Brushes

➥ Brass, Steel, and Nylon

Cat. No.	Description	Length	Each 1-4	5-11
31-585	Steel Scratch Brush	8"	$7.50	$6.00
31-575	Brass Scratch Brush	8"	7.95	6.36
63-149	Nylon Toothbrush Style Brush	6"	2.75	2.20
31-060	Nylon Small Camel Hair Brush	4"	3.50	2.80
119-617	Nylon Large Cleaning/Dusting Brush	10"	4.95	3.96
986-420	Acid Brush, 144/bx.	6"	13.50	12.15

Safety Goggles



Splash and impact resistant with indirect venting. One-piece 0.050" polycarbonate lens. Fits over most prescription glasses. Meets ANSI Z87.1-1989

Cat. No.	Description	Each 1-5	6-11
39-260	Safety Goggles	$4.50	$4.05

Eye Protectors



Tough polycarbonate lenses with side protection. Eyeglass design works better with hard hats. Loops for lanyard (not included).

Cat. No.	Description	Each
546-001	Eye Protectors	$2.50

'CUDAS™



Adjustable temple for individual fit in five different lengths.

➥ **Single lens eye protection that adjusts to your face.**

Six-base lens curve and folded-back lens design provide increased peripheral vision and protection. Stylish frames made of durable, modified nylon.



Cat. No.	Description	Each 1-4	5-9
155-001	Cudas w/Clear Lens	$7.25	$6.67
155-002	Cudas w/Smoke Lens	7.75	7.13

Note: 'Cudas spectacles meet high impact requirements of CSA Z94.3. They do not meet CSA Z94.3 sideshield requirements.

RAM Cap™ w/Rachet



➥ **Molded from high density lightweight polyethylene for protection and comfort**

Short peak design allows for greater upward vision. Comfortable four-point nylon suspension with Coolmax™ terrycloth sweatband. Universal slots for hearing, welding and faceshield accessories.

Cat. No.	Description	Each 1-4	5-9
155-031	White, RAM Cap w/Rachet	$10.00	$9.20
155-033	Blue, RAM Cap w/Rachet	10.00	9.20

25 Person First Aid Kit



Great for the small office or as an automotive kit. Plastic case. Meets ANSI Z308.1 Type 1 and Type 2 requirements.

Kit Contents:

1	Abdominal pad, 5" x 9" sterile	1	Eye wash 1 oz.
16	Adhesive bandages, plastic 1" x 3" sterile	6	First aid cream 1 g
6	Adhesive bandages, elastic 7/8" x 3" sterile	1	Gauze bandage 2" x 6 yards sterile
2	Adhesive bandages, fingertip 1 3/4" x 3" sterile	4	Gauze pads 3" x 3"
2	Adhesive bandages, knuckle 1 1/2" x 3" sterile	6	Hand cleansing towelettes
9	Antiseptic prep pads	1	Instruction card
12	Benzalkonium chloride antiseptic towelettes	4	Medical exam gloves
1	Cold pack, instant	1	Rubber elastic bandage 2"
1	Eye pad	6	Safety pins
		1	Scissors 4"
		1	Splinter forceps 3 1/2"
		3	Sting Stop prep pads
		1	Tape, roll 1/2" x 5 yards
		1	Triangle bandage

Cat. No.	Description	Each 1-4	5-9
155-020	First Aid Kit	$28.75	$26.45

Leather Work Gloves



Comfortable and tough, seams away from wear surfaces. Elastic wrist back. Tan color.

Cat. No.	Description	Size	Each Pair 1-4	5-9
37-038	Gloves	Small	$16.00	$15.20
37-039	Gloves	Medium	16.00	15.20
37-040	Gloves	Large	16.00	15.20

Hy-Wires™ by Millennium



➥ **Stylish eye protection in a metal frame**

Adjustable nosepiece and temples for individual fit. Excellent coverage with sideshields. Lightweight for added comfort.

Cat. No.	Description	Each 1-4	5-9
155-011	Hy-Wires w/Clear Lens	$6.25	$5.75
155-012	Hy-Wires w/Smoke Lens	6.50	5.98

Industrial Back Support



➥ **Provides a firm and consistent fit**

Two way stretch binding, lightweight Lycra™ powerknit. Plastic coated steel stays sewn into grip elastic pockets. 1 1/2" elastic shoulder straps, vinyl cinch pull tab. For size, measure just below navel over clothing.

Cat. No.	Description	Size	Each 1-4	5-9
39-100	Industrial Back Support	Small (28-32")	$32.00	$30.40
39-101	Industrial Back Support	Medium (33-38")	32.00	30.40
39-102	Industrial Back Support	Large (39-44")	32.00	30.40
39-103	Industrial Back Support	X-Large (45-49")	32.00	30.40

Pro Pads® Knee Pads

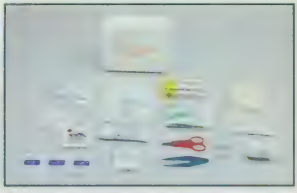


Help protect knees from injury and discomfort. High-quality medical-grade elastic, stitched-on swivel caps, and extra long straps. (USA)

Cat. No.	Description	Each 1-5	6-11
51-012	Pro Pads Knee Pads, Pair	$16.95	$15.26

Compact First Aid Kit

NEW



➥ **5 x 7 x 1 3/4", perfect for tool kit, glove box, or workstation**

First Aid Kit Contents:

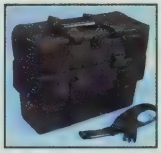
- 16 Adhesive Strips 3/4" x 3"
- 6 Adhesive Strips, XL
- 4 Knuckle Bandages
- 1 Gauze Bandage, 2" x 5 yd.
- 1 Sunscreen Towelette
- 2 PVP Ointment Wipes
- 2 Gauze Pads, 3" x 3"
- 1 Adhesive Tape, 1/2" x 2 1/2 yd.
- 1 First Aid/Burn Cream, 7/8 oz.
- 6 Alcohol Preps
- 3 Sting Relief Wipes
- 6 Motion Sickness Tablets
- 2 Aspirin, 2/pk
- 1 Tweezers
- 1 Scissors
- 1 Pair Nitrile Gloves

Cat. No.	Description	Each 1-5	6-11
777-689	Compact First Aid Kit	$17.50	$15.75

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3M





Optional Cordura Case

115VAC
230VAC

Service Vacuum Cleaner

➥ Static grounded ➥ EMI/RFI filtered ➥ Toner safe

Lightweight, compact, portable vacuum cleaner designed specifically for cleaning toner from copying machines and for general cleanup tasks. The included 10 micron toner/dirt filter holds 5-9 lbs. of toner and provides maximum protection to motor. **Fine Particle Filter** (.3-.5 micron) for laser toner is optional. 1 HP/5 Amp motor features sealed ball bearings lubricated for life. Continuous duty rated and thermally protected with automatic reset. Completely grounded from wall plug to tips of attachments. Heavy-duty case holds self storing vacuum hose, crevice nozzle, tubular nozzle, dusting brush and adapter, and line cord. 17.5 x 6.25 x 7.5". 9 lbs. Three year warranty.

Optional **Black Cordura® Case** fits over vacuum as shown and holds it securely with two 1.5" wide nylon straps. Top of bag has 17.5 x 7 x 4" zipper closure compartment for storing accessories. Includes web strap handles and shoulder strap. 17.5 x 7.5 x 9.5" overall. (USA) **Note: For a complete list of replacement parts and accessories, call Jensen's FaxBack at 602-453-2671. Request document #251497**

Cat. No.	Description	Each
251-497	Vacuum Cleaner, 115VAC	$269.00
251-555	Vacuum Cleaner, 230VAC	299.00
260-001	Replacement Toner/Dirt Filter	21.50
260-805	Optional Carrying Strap	9.95
260-113	Optional Fine Particle Filter	27.95
409-555	Optional Black Cordura Carrying Case	75.00

HOOVER

Porta Power Commercial Vacuum

➥ Vacuum or blower
➥ Powerful 2.2 peak HP motor



Has all the features and accessories required for general cleaning needs (not for toner). Extra long 35' power cord. Disposable bag adapter kit provides a convenient alternative to emptying the reusable bag. Includes 6' Tufflex hose with suction power control, dusting brush, hard floor brush, crevice tool, upholstery and drapery tool, combination floor and carpet tool, two 20" wands, shoulder strap and two quart reusable cloth bag. 115VAC. One year manufacturer's warranty. Optional **Cordura Carrying Case** will accept vacuum with room for attachments.

Cat. No.	Description	Each
299-022	Porta Power Vacuum	$147.00
216-530	Optional Cordura Carrying Case	53.00
299-050	Disposable Bag Adapter Kit	8.00
299-038	Disposable Bags, 5/pkg.	5.50

shop-vac®

Hippo® Portable Handheld Vacuum



Dependable power with lightweight portability. Powerful 1.5 peak HP motor provides 80 CFM, 50" sealed pressure. One quart dry capacity. Easily converts into a blower. Dual filter system with disposable filter bag. Includes 1¼" diameter 6' hose, extension wand, 6" master nozzle, crevice tool, round brush, conversion unit, 2½" hose coupling and adjustable shoulder strap. One year manufacturer's warranty. (USA)

Cat. No.	Description	Each
175-919	Hippo Vacuum, 115VAC	$152.00
175-462	Replacement Filter Bags, 5/pkg.	14.50

shop-vac®

850-Series Wet/Dry Vacuum

➥ 6 & 10 gallon capacity
➥ One year manufacturer's warranty



Powerful 4.0 HP single-stage bypass motor provides 130 CFM airflow. 60" sealed pressure. Double filtration system with primary cloth filter and secondary foam filter for optimum performance. Attachments include: 7' x 1¼" diameter hose, extension wands, 12" floor nozzle with brush and squeegee inserts, crevice tool, round brush, Gulper nozzle. 6' x 2½" hose, extension wands and utility nozzle. 115VAC, 10A. (USA)

Cat. No.	Mfr. No./Description	Capacity	Each
175-851	850-Series Wet/Dry Vacuum	6 gallon	$169.00
175-852	850-Series Wet/Dry Vacuum	10 gallon	199.00

shop-vac®

1X1® Wet/Dry Vac

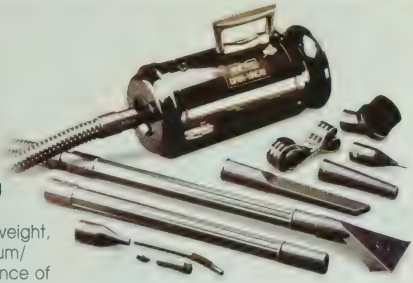


Powerful 1.0 peak horsepower motor and a 1 gallon tank to handle most any cleanup need, wet or dry. Rust and dent-resistant plastic tank. Automatic shutoff prevents overflow. 4' hose. 18' power cord. Includes gulper nozzle, crevice tool, reusable dry filter and foam filter. Two year warranty. (USA)

Cat. No.	Description	Each 1-5	6-11
175-597	All-purpose Portable Wet/Dry Vac	$49.00	$44.10

METRO

Data-Vac/2 Pro-Series



- Toner safe
- Includes Micro Cleaning Tool Kit

Professional lightweight, high powered vacuum/blower for maintenance of all office equipment, including copiers and laser printers. Triple filtration system includes a toner filter inside a permanent cloth bag followed by a fiberglass micro filter. Filters particles as small as .3 microns. All-steel construction with black finish to hide toner smudges. 1.17 peak HP motor. CFM power control. Convenient cord storage halo. Includes power unit, 3' flexible hose, two 20" extension wands, "pik-all" nozzle, air concentrator nozzle, crevice tool, soft bristle dusting brush, air pin-pointer, shoulder strap, micro cleaning tool kit, two extra toner filter bags, one extra micro-filter. 115VAC. Two year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
302-801	Data-Vac/2 Pro-Series Vacuum/Blower	$152.00
302-807	Replacement Filters, 5/pkg.	31.00







Sonicor

MADE IN USA

Solid State Ultrasonic Cleaners

- 3 sizes to choose
- 60,000 cycles-per-second action

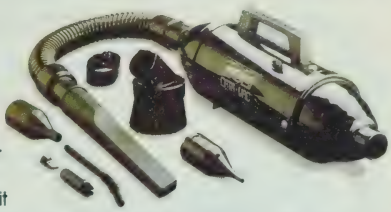
Compact, solid state cleaners with heater thermostat pre-set at 140°F. Timer can be set for any period up to 30 minutes. One piece assembly with stainless steel round cornered tank and illuminated pushbutton ON/OFF switch. 115VAC, 50/60 Hz.

2 Quart model:	3 Quart model:	1 Gallon model:
Tank size: 5 1/2 x 5 x 4"	Tank size: 9 x 5 x 4"	Tank size: 9 x 5 x 6"
Overall size:	Overall size:	Overall size:
7 x 6 x 9 1/2"	10 1/2 x 6 1/2 x 8 1/2"	10 1/2 x 6 1/2 x 11 1/2"

Cat. No.	Description	Each
893-050	2 Quart Ultrasonic Cleaner	$295.00
893-051	Basket/Strainer for 2 Quart Cleaner	30.00
893-052	Cover for 2 Quart Cleaner	15.00
893-100	3 Quart Ultrasonic Cleaner	395.00
893-110	Basket/Strainer for 3 Quart Cleaner	35.00
893-101	1 Gallon Ultrasonic Cleaner	450.00
893-002	Basket/Strainer Tray for 1 Gallon Cleaner	40.00
893-001	Cover for 3 Quart and 1 Gallon Cleaner	20.00
803-756	Parts Cleaning Basket	3.95

METRO

Data-Vac/1 Pro-Series



- Fully portable vacuum/blower
- Includes Micro Cleaning Tool Kit

Designed to remove dirt, dust and paper scraps from hard-to-reach places in printers, computer systems and peripheral devices. Lightweight, easy-to-use. Rugged, all-steel construction. Micro-cleaning tool kit allows easy cleaning in very tight places. Includes power unit, 19" flexible hose, 4-piece micro tool kit, crevice tool, pin-point air tool, soft bristle dust brush, shoulder strap, 5 reusable/disposable paper bags. 16"L x 3 3/4"D. 115VAC. One year manufacturer's warranty. (USA) *Not for toner.*

Cat. No.	Mfr. No./Description	Each
302-011	Data-Vac/1 Pro-Series Vacuum/Blower	$69.00
302-002	Replacement Bags, 5/pkg.	4.95

METRO

Data-Vac/3 Pro-Series



- Toner Safe
- Nearly twice the power of Data-Vac/2 Pro
- Includes Micro Cleaning Tool Kit

Has all the features and attachments of the popular Data-Vac/2, but with more powerful 1.7 peak HP, two-speed motor providing greater suction and flow. Additional features result in no appreciable weight increase over the Data-Vac/2. Compact power unit measures 17 x 7". Two year manufacturer's warranty. (USA)

Cat. No.	Mfr. No./Description	Each
302-013	Data-Vac/3 Pro-Series Vacuum/Blower 115VAC	$189.00
302-023	Data-Vac/3 Pro-Series Vacuum/Blower 230VAC	208.00
302-807	Replacement Filters, 5/pkg.	31.00

METRO

Carrying Case for Data-Vacs 2 & 3



- Adds greater convenience and protection

Sturdy foam-filled carrying case with lift-out attachment tray. Rugged lightweight impact-resistant plastic. Rustproof solid brass hardware. Fits Data-Vac/2 and Data-Vac/3. Gray/black color. (USA

Cat. No.	Description	Each
302-014	Data-Vac Carrying Case	$52.00

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690



MOTOROLA

Spirit® Professional Two-Way Radios

High-performance, compact design, business-band radios are easy to use and durable enough to withstand a 4' drop onto concrete. Provides instant communications with individuals or multiple groups. Coded squelch with up to 38 codes to eliminate channel chatter at the touch of a button. All radios include rechargeable battery pack, 10 hour charging adapter, antenna, belt clip, operator's manual and FCC licensing information. Order optional accessories below to further enhance your Spirit radio. One year manufacturer's warranty. (USA)

148-001 VHF: 1-watt output. Single channel is user programmable with a choice of four frequencies: Blue, Green, Red or Purple dot. Voice assisted programming provides audio messages to inform user of current frequency and coded squelch settings. Transmit and low-battery lights. Range up to 4 miles outdoors in open terrain and in buildings up to 150,000 square feet and 1-6 floors.**148-002** UHF: 2-watt output. Single channel is user programmable with a choice of eight frequencies: Brown, J, Silver, Red, Yellow, K, Gold or Blue dot. Built-in VOX (hands-free) capability. Voice assisted programming provides audio messages to inform user of current frequency and coded squelch settings. Transmit and low-battery lights. Range up to 5 miles outdoors in open terrain and in buildings up to 250,000 square feet and 1-20 floors.**148-003** High-Power UHF: 4-watt output. Two channels: Brown and Yellow dot, selectable from panel knob. No programming required. LCD front panel display shows channel and coded-squelch settings at a glance. Hi/Lo power switch to conserve battery life during short-range communication. Channel scan avoids missed messages on the other channel. Transmit and low-battery light. Includes standard 10-hour drop-in charger. Range up to 6 miles outdoors in open terrain and in buildings up to 300,000 square feet and 1-25 floors. **Not available for sale outside of USA.**

Cat. No.	Description	Each 1-5	6-11
148-001	Spirit 2-Way Radio, VHF	$225.00	$202.50
148-002	Spirit 2-Way Radio, UHF	275.00	247.50
148-003	Spirit 2-Way Radio, UHF High-Power	499.00	449.10
148-004	Optional Speaker/Mic, all models	60.00	54.00
148-005	Optional 3-Hour Drop-In Charger for 148-001, 002	55.00	49.50
148-006	Optional 3-Hour Drop-In Charger for 148-003	$72.00	$64.80
148-007	Optional Leather Case for 148-001, 002	27.00	24.30
148-008	Optional Leather Case for 148-003	27.00	24.30
148-009	Replacement Battery Pack for 148-001, 002	30.00	27.00
148-010	Replacement Battery Pack for 148-003	44.00	39.60



Model FR50 Personal Two-Way Radio 2-Pack

MOTOROLA

NO LICENSE REQUIRED!

Quality Motorola FRS radios feature 14 channels and plenty of talk power to keep in touch up to 2 miles away. No license required. LCD channel display. Headphone jack. Audible call alerts. Requires three AA batteries in each radio sold separately. **148-011 includes two radios. Not available outside of the USA.**

Cat. No.	Description	Each 1-5	6-11
148-011	FR50 Two-Way Radio, 2/pk.	$119.00	$107.10
473-002	AA Alkaline Battery	.91	-

KENWOOD®

FreeTalk™ Two-Way Radio

NO LICENSE REQUIRED!



Compact (4 x 2.2") FRS radios provide UHF performance for reliable short-range communication. ½-watt power allows range of up to two miles. 14 channels and 38 CTCSS talk groups. CORDS system automatically checks if others in your talk group are out of range. PrivacyTalk™ scrambles conversations to avoid eavesdropping. Auto channel select searches and locks on to a vacant channel. Four call tones. Auto "power-off" saves battery life. Fold-down antenna. Belt hook. 40 hour battery life. Requires three AA batteries sold separately. Or order optional, rechargeable NiCd battery pack and charger. One year manufacturer's warranty. **Not available for sale outside of USA.**

Cat. No.	Description	Each 1-5	6-11
75-010	FreeTalk Two-Way Radio, Black	$99.00	$89.10
75-020	FreeTalk Two-Way Radio, Hi-Visibility Yellow	99.00	89.10
75-006	Optional NiCd Battery Pack*	24.00	21.60
75-007	Optional NiCd Charger**	36.00	32.40
75-008	Optional Nylon Case with D-ring	15.00	13.50
75-009	Optional Speaker/mic with Volume Control	40.00	36.00
75-003	Optional Voice-Activated (VOX) Headset/Mic	64.00	57.60
75-011	Optional Clip Mic/Earphone	29.95	26.95
473-002	AA Alkaline Battery	.91	-

*Requires 75-007 battery charger

** For use with 75-006 NiCd battery pack only. Not for use with alkaline batteries

KENWOOD®

EASY LICENSING!

FreeTalk XL™ Two-Way Radio



➥ **15 Pre-programmed channels, 2-watts of power**

High performance UHF radio features extra-rugged construction. Aluminum die-cast chassis and rugged sealed case. Operates on GMRS channels 1-15, and FRS channels 1-7. 38 CTCSS codes block unwanted interference from other talk groups. 3-minute timeout timer. Battery-saver. Low battery alert. Rechargeable battery pack. Range up to 5 miles outdoors in open terrain and in buildings up to 250,000 square feet and 1-20 floors. Includes one battery pack, desktop charger, belt clip, user's manual and easy licensing information. 2¼ x 4", 11 oz. Two year manufacturer's warranty. **Not available for sale outside of USA.**

Cat. No.	Description	Each 1-5	6-11
75-005	FreeTalk XL Two-Way Radio	$269.00	$242.10

GPS III Plus



Detailed basemap covers all of North America. Database of exit information for interstate highways. Food, lodging and service station information is easily viewed on the moving map screen or through user lookups. 24-hour battery life. 500 user waypoints with graphic icons. Trip odometer may be reset. Detachable antenna, accepts external antenna with BNC connector. Requires four AA batteries. Includes computer interface cable, wrist strap, mount, user's manual. One-year manufacturer's warranty.

Optional MapSource™ software (this page) may be uploaded to your GPS-III Plus to provide highly detailed street-level or topographic maps right on the GPS screen. No additional data card is required. (428-550 MetroGuide software not compatible with GPS-III Plus)

Cat. No.	Description	Each
428-004	GPS III Plus Electronic Map GPS Receiver	$419.95
428-202	Remote Antenna for GPS III Plus, Streetpilot	99.95
428-500	Cigarette Lighter Adapter	23.00
428-165	Combination PC Interface/Cigarette Lighter Adapter Cable	45.00
428-700	Carrying Case with Belt Loop	12.50
473-002	AA Alkaline Battery (four required)	.91

MapSource™ CD ROM Software

NEW



- Upload detailed maps to GPS-III Plus, Streetpilot and eMap*
- View/Print color maps on your PC

View and print color maps on a PC with zoom and pan functions for easy browsing. Trip and waypoint manager function create waypoints, routes and tracks and allows transfer between PC and nearly all Garmin GPS units. Map transfer function allows uploading of maps to GPS-III Plus, Streetpilot or eMap*. Simply connect GPS to PC, select the area of the country you want and upload. Detailed maps appear on the GPS screen indicating your position right on the map. System requirements: Pentium processor, Windows 95/98/NT, 16M RAM, 20MB free hard disk space, CD-ROM drive, 256 color display, pointing device.

428-550 Metroguide U.S.A. provides highly-detailed street level maps of the continental US and Hawaii. Includes addresses, business listings and other points of interest. Allows street address lookup and navigation. (Map transfer function not compatible with GPS-III Plus)

428-510 Roads and Recreation covers all 50 states. Contains local, county and residential roads, interstate highway exit information. Recreation areas and facilities. US inland cartography with shoreline details, reservoirs, rivers, beacons and other navaids

428-520 US Topo contains topographic maps of the entire 50 states similar to US Geological Survey 1:100,000-scale maps. Shows highways, roads, hiking trails, elevation contours, summits, public facilities, inland waters and navaids.

Cat. No.	Description	Each
428-550	MapSource MetroGuide U.S.A.	$169.00
428-510	MapSource Roads and Recreation	109.00
428-520	MapSource U.S. Topo	139.00

*Requires PC interface cable. Some units require 8 or 16M data card for this function. See individual GPS unit description

StreetPilot™ ColorMap GPS



GPS satellites pinpoint your location on an electronic map. Easy to use right out of the box. Enter an address and StreetPilot takes you there. Shows destination and your position on the map. Press the find button and follow prompts to view the nearest businesses, attractions, shopping or food.

Brilliant, 240 x 128 pixel 16-color high-resolution display. Freeway exit data. Built-in moving map includes lakes, rivers, coastlines, interstates, national and scenic highways, and major airports. Screen width scale 500 feet to 5000 miles. 100 waypoints with name and symbol. Fast 12 parallel channel receiver. 15-second acquisition warm. Includes StreetPilot, PC interface cable, cigarette lighter adapter cord, user's manual, dash mount, quick reference card. One-year manufacturer's warranty.

Optional MapSource™ software (this page) may be uploaded to your Streetpilot to provide highly detailed street-level or topographic maps right on the GPS screen. Requires optional 8MB or 16MB datacard for use with Mapsource software.

Cat. No.	Description	Each
428-200	StreetPilot GPS Receiver, Color	$655.00
428-202	Remote Antenna for StreetPilot, GPS-III Plus	99.95
428-530	Optional 8MB Datacard	99.95
428-540	Optional 16MB Datacard	149.95
473-002	AA Alkaline Battery (six required)	.91

GPS-12XL and GPS-12



Indicates position in Lat/Lon, UTM/UPS or seven other coordinates anywhere on earth. Navigation is simple with moving map graphic plotter. User-selectable navigation guidance with highway or compass display. Resettable trip odometer. Indicates speed, bearing, elevation and time of day on backlit display. 12 parallel channel receiver for fast satellite acquisition and tight satellite lock, even under tree cover. 106 pre-defined map datums. Stores up to 500 waypoints and 20 routes. 12 hour battery life. Requires four AA batteries. Includes internal patch antenna, wrist strap, user's manual and quick-reference card. One year manufacturer's warranty.

428-025 GPS-12XL: Accepts optional external antenna with MCX connector. Optional adapter to interface with antennas with BNC connectors available. Audible alert tones. Includes carrying case.

428-012 GPS-12: Same features as GPS-12XL except will not accept external antenna or power adapter, and does not include audible alert tones.

Cat. No.	Mfr. No./Description	Each
428-025	GPS-12XL GPS Receiver	$229.00
428-012	GPS-12 GPS Receiver	189.00
428-141	PC Interface Cable	38.00
428-203	Remote Antenna (For GPS-12XL only)	99.95
428-026	MCX to BNC Antenna Adapter (For GPS-12XL only)	25.00
428-500	Cigarette Lighter Adapter	23.00
428-165	Combination PC Interface/Cigarette Lighter Adapter Cable	45.00
473-002	AA Alkaline Battery (four required)	.91

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

GARMIN

eMap Deluxe GPS

NEW



Compact, handheld 12-channel GPS offers detailed mapping capability. Simple one-handed operation. Built-in detailed basemap for North America. Additional highly detailed map data may be uploaded to eMap from optional MapSource™ CD ROM products (see page 279). Displays street-level detail including addresses and business listings using MapSource MetroGuide U.S.A. CD-ROM. Backlit display. 14-hour battery life. Water-resistant. Includes PC interface cable, manual and 8MB datacard. Optional 16MB datacard for greater map data storage. Requires two AA alkaline batteries not included.

Cat. No.	Description	Each
428-010	eMap Deluxe GPS	$299.95
428-011	Optional Carrying Case	17.95
428-051	Optional 12V DC Adapter Cord	39.95
428-540	Optional 16MB Datacard	149.95
473-002	AA Alkaline Battery (two required)	.91

GARMIN

eTrex and eTrex Summit GPS

428-050



NEW



428-060

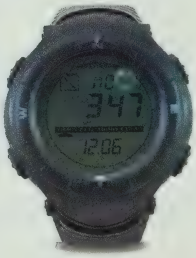
The industry's smallest and lightest GPS receivers feature a sleek, waterproof case. Operating buttons on both sides allow more room for the display screen on front. Simple menus and logical operations for ease of use. Simple navigation with compass page, or see your path on map page. Lat/Lon, UTM/UPS, Maidenhead, MGRS and user grids. 12-parallel channel receiver for quick acquisition. Backlit display. 22-hour battery life. Resettable trip computer. Requires two AA alkaline batteries not included. Includes comprehensive user's manual.

428-060 eTrex Summit adds electronic compass for accurate heading while standing still. Barometric sensor with automatic pressure trend recording. Elevation computer provides current elevation, ascent/descent rate, min/max and more.

Cat. No.	Description	Each
428-050	eTrex GPS	$149.95
428-060	eTrex Summit GPS	269.95
428-051	12V DC Adapter Cable	39.95
428-053	Carrying Case	14.95
473-002	AA Alkaline Battery (two required)	.91

SUUNTO

Vector™ Wristop Computer



Large, easy-to-read digital display. Altimeter ranges up to 29,500 ft. Ascent/descent rate and difference measurement with 24 hour memory. Barometer measures to 32.40 inHg in 0.05 inHg resolution. Difference measurement and barometric trend. Temperature measurement. Compass shows bearing in degrees and 16 cardinal points. Bearing tracking function. Declination adjustment. Built-in bubble level. 12/24-hour watch/calendar, three alarms, stopwatch and countdown timer. Backlit. Waterproof to 100'. One year warranty. (Finland)

Cat. No.	Description	Each 1-5	6-11
210-001	Vector Wristop Computer	$199.95	$179.96



252-001

NEW



252-002

Binoculars

High-quality, lightweight optics are constructed with slip-proof, shock-proof rubber armoring to perform in rugged field environments. Ruby coated lenses improve image contrast. Collapsible rubber eyecups for viewing even with eyeglasses. Separate diopter adjustment. Center focusing. Includes lens caps, neck strap and carry pouch with belt-loop. Limited lifetime manufacturer's warranty.

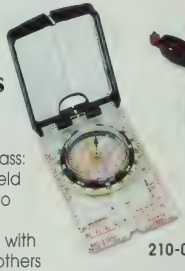
Cat. No.	Power x Lens Diameter	FOV* @ 1000 yds.	Weight	Each
252-001	Full Size, 10x50	367 feet	30 oz.	$98.00
252-002	Compact, 10x25	282 feet	8.9 oz.	72.00

*Field of view at 1000 yards

SUUNTO

Field Compasses

➥ **Ultimate accuracy and quality construction**





210-002

210-003

210-002: GPS Plotter Compass: Complimentary to GPS handheld navigators, enabling the user to locate a position on a map to within a 600' diameter. For use with USGS topographical maps or others with UTM grids. Luminous markings, adjustable declination, snap-lock lanyard. 1:24,000, 1:25,000 1:50,000 and 1:62,500 scales. $2^3/_4$ x $5^3/_8$". Limited lifetime warranty. (Finland)

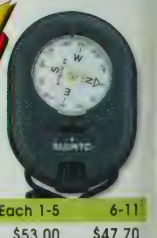
210-003: Global Navigator Compass: professional mirror compass for taking bearings and normal directions with adjustable declination correction scale and built-in clinometer. Additional sighting hole for superior accuracy. Extra large luminous markings. Includes detachable lanyard with snap-lock. Lifetime limited warranty. (Finland)

Cat. No.	Description	Each 1-5	6-11
210-002	GPS Plotter Compass	$29.95	$26.96
210-003	Global Navigator Compass	52.50	47.25

SUUNTO Vista™

Hand Bearing Compass

NEW



Constructed of weatherproof ABS plastic. Floats. Accuracy to $^1/_2$° with marks at 1° intervals. 0-360 standard and reverse scales. Adjustable optics. V-sight. 2.2 x 3 x 0.6", 2.5 oz. (Finland)

Cat. No.	Description	Each 1-5	6-11
210-200	Vista Hand Bearing Compass	$53.00	$47.70

Selecting an Appropriate Inverter or Power Converter

Each appliance has a nameplate that lists its amperage or wattage rating. Calculate the wattage (amps x voltage) ratings of all of the appliances you plan to operate and then select an inverter or converter with a rating equal to or greater than your total wattage rating. (Appliances with electric induction motors require approximately 2-3 times their nameplate wattage when starting).





TRIPP LITE POWER PROTECTION

Ultra-Compact PowerVerter® Inverters



➥ **12 VDC in, 120VAC 60hz out**

Ultra-compact, lightweight inverters power personal computers, camcorders, small power tools, cordless tool chargers and most small appliances and electronics. 205-140/205-300 features convenient cigarette-lighter plug. 205-501 has alligator-clips for direct connection to battery. All-metal housing withstands the often rugged conditions of job sites. Low battery voltage alarm/shutdown. 205-300/205-501 include a built-in cooling fan to prevent overheating. Stores easily in toolcase, briefcase or glovebox.

Cat. No.	Input Voltage (DC)	Output Voltage (AC)	Output Power Continuous/Peak (watts)	Outlets	Each
205-140	12	120	140/200	1	$59.95
205-300	12	120	300/500	2	89.95
205-501	12	120	500/800	3	149.00

KOEHLER-BRIGHT STAR

Portable 12-Volt Power Packs



Versatile rechargeable power packs provide convenient 12-volt DC power wherever you need it. Features sealed lead-acid battery that is leak-proof, maintenance free and provides high power and long run time. Ideal for powering tools, lighting, computers, radio equipment and most any 12VDC product in the field. Built-in circuit breaker. Cigarette lighter socket. Heavy-duty zippered nylon case with shoulder strap and belt loops. 115VAC charger included.

241-003 heavy-duty model features rugged molded case and high energy capacity for demanding applications. Perfect for use with 12V inverter (such as 205-300 on this page) for portable 120V power. (USA)

Cat. No.	Description	Capacity	Weight	Each
241-001	12VDC Portable Power Pack	4 A/hr.	5 lbs.	$48.00
241-002	12VDC Portable Power Pack	7 A/hr.	8 lbs.	62.00
241-003	12VDC Portable Power Pack	17 A/hr.	15 lbs.	109.00

For complete specifications and applications support, contact Jensen's FaxBack at 602-453-2671. Request document #241001

TRAVELARTS™ International Travel Products

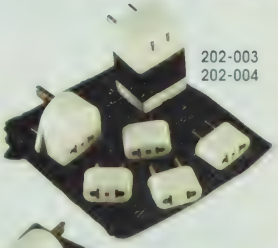
International Power Converters/Adapters



202-002 Step-Down Transformer: Rugged, compact unit steps foreign 220/240VAC electric power down to U.S. 110/120 VAC. For use with all types of electrical products up to 800W. Features on/off power switch, power-on indicator and two U.S. grounded power outlets. Grounded European Schuko power cord. Order 202-005 or 206-006 plug adapter kit (below) to adapt power cord to most foreign power outlets. Heavy-duty metal cabinet, carrying handle and replaceable safety fuse.

202-003 50W Foreign Power Converter Set: Converts foreign 220/240 VAC to U.S. 110/120 VAC to power all types of electrical equipment rated for up to 50 watts at 120VAC. Includes plug-in transformer, 5 adapter plugs for UK/Ireland, Europe/Middle East, Australia/China/New Zealand, Eastern Europe and North/South America/Japan, durable travel bag.

202-004 Foreign Power Converter Set: Converts foreign 220/240 VAC to U.S. 110/120 VAC. Suitable for powering heating appliances such as hair dryers, irons, coffee makers, etc from 50 watts up to 1600 watts. Not for use with electronic circuitry such as computers, test equipment, etc. Includes plug-in converter, 5 adapter plugs (see 202-003 above) and durable travel bag.



202-005 Foreign Power Adapter Set: Set of five 2-prong adapter plugs (see 202-003 above) and durable travel bag. Adapts 202-002 to most foreign outlets or for adapting power cord on "universal-voltage" test equipment and other products.

202-006 Grounded Foreign Power Adapter Set: Set of six 3-prong grounded adapter plugs for North/South America/Japan/Caribbean, UK/Africa/Ireland/Hong Kong/Singapore, European Schuko, Switzerland, Italy and Australia/New Zealand/China in heavy-duty water-resistant soft carry case. Adapts 202-002 to most foreign outlets or for adapting power cord on "universal voltage" products.

NOTE: Adapter plugs do not convert voltage.



Cat. No.	Description	Max. output wattage	Each
202-002	Step-down Transformer	800	$58.00
202-003	Low-wattage Foreign Power Converter Set	50	16.95
202-004	Foreign Power Converter Set	50-1600*	20.95
202-005	Foreign Power Adapter Set	-	9.95
202-006	Grounded Foreign Power Adapter Set	-	34.00

* For use with inductive loads only, such as heating appliances. Not for use with electronic equipment

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Roll-A-Table and Roll-A-Chair



- No-tools setup
- Quick and easy field workstations

Portable utility table and chair offer lightweight strength and easy storage. Table measures 32 x 32" worksurface and 28" height. Rolls up to 32 x 5½". Aluminum frame and legs, vinyl covered wood, slat top. Handles 100 lbs. distributed weight. Table weighs 10 lb. Chair offers 19 x 19" seat, 29" high back and 19" seat height. Folds to 26 x 4 x 4". Weighs 2½ lbs. Accommodates 250 lbs. Shoulder strap for easy carrying. One year warranty. (USA)

Cat. No.	Description	Each
207-001	Roll-A-Table	$35.00
207-002	Roll-A-Chair	25.00

ORIGINAL Bucket Boss BRAND

Cell Phone Holster



- Fits most cellular telephones and many compact FRS radios

Designed to carry and protect today's compact cellular phones. Foam padding and rugged fabric for optimum protection and long wear. Secure, quick-access flap enclosure. Stainless-steel spring clip holds securely to belt or tool pouch.

Cat. No.	Description	Each 1-5	6-11
51-540	Cell Phone Holster Khaki	$12.00	$10.80
51-541	Cell Phone Holster Black	$12.00	$10.80

Eveready Energizer® Batteries



Industrial Alkalines are designed for today's heavy current or continuous use applications. No mercury added and no special disposal required. Ready-to-use even after five years of storage.

Lithium Batteries provide longer battery life than alkalines and may be used in all 9V and AA applications. Contain no mercury, cadmium or lead and no special disposal methods required. Ideal for meters, instruments, pagers and other equipment.

Photo Battery is a replacement for type LR44 which is used in many compact multimeters, calculators and other instruments. (USA)

Cat. No.	Description	Each 1-11	12+
473-001	Industrial Alkaline AAA	$.94	$.70
473-002	Industrial Alkaline AA	.91	.68
473-003	Industrial Alkaline C	1.51	1.13
473-004	Industrial Alkaline D	1.57	1.18
473-005	Industrial Alkaline 9V	3.15	2.36
473-006	Lithium AA 2/pk.	6.50	-
473-007	Lithium 9V	7.50	-
473-008	Photo Battery A76BP	1.15	-
434-024	Alkaline AAAA 6/pk.	6.95	



204-001



204-003



204-002

CALCULATED INDUSTRIES® We put answers at your fingertips

Industrial Calculators and Measuring Tools

204-001 ElectriCalc® Pro: For electrical design, estimating and installation jobs. Conforms to NEC 1996 and 1999 standards. Factory updatable for future code year revisions. Works directly in volts, amps, volt-amps, watts, kVA, kW, PF%, EFF% and DC resistance. Calculates copper and aluminum wire sizes. Calculates voltage drop. One button parallel and derated wire sizing. Conduit sizing by NEC definitions. Calculates motor load current and fuse/breaker calculations. Sizes overload protection. Finds NEMA starter sizes. Calculates grounding conductor sizes. Standard mathematical functions. Includes comprehensive user's manual, protective case and long-life batteries.

204-002 Scale Master Classic®: Digital plan measure provides 72 built-in scales. 39 Imperial and 33 metric scales. Six user-defined custom scales. Push-button counter accumulates in memory. Two memories solve area and volume. Choice of eight dimensional units. Subtract mode key. Rolls in distances in either direction. 0.025" resolution with 99.75% measurement accuracy. Includes user's guide, vinyl case and long-life batteries.

204-003 Ultra Measure Master®: Professional conversion calculator puts 60+ of the most needed technical unit conversions at your fingertips. Converts to and from linear, area, volumetric, weight, weight-to-volume, linear velocity, flow rate, and temperature units. Full mathematical functions. "Paperless tape" allows review of last 20 entries. Includes user's guide, vinyl case and long-life batteries.

Cat. No.	Description	Each 1-5	6-11
204-001	ElectriCalc Pro Calculator	$99.95	$89.96
204-002	Scale Master Classic Digital Plan Measure	69.95	62.96
204-003	Ultra Measure Master Conversion Calculator	59.95	53.96

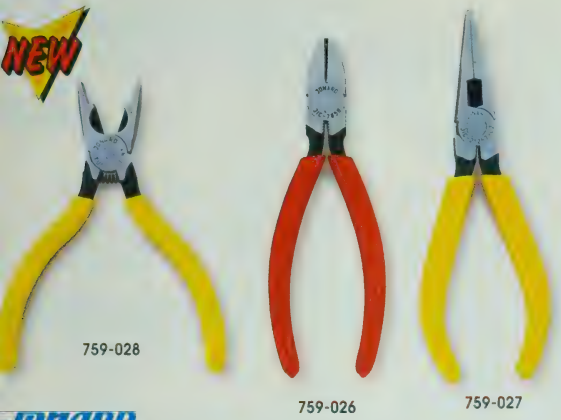
ZTS

Multi-Battery Tester



Tests more than 25 different popular battery types. Microprocessor controlled tester is the most advanced and accurate available. Fully automatic load test. Percentage of remaining battery capacity is displayed on LED bar display (10-100%). Battery types clearly labeled next to appropriate contacts. Press battery's positive terminal onto contact and connect built-in test lead to battery's negative terminal. Tests popular Zn Air, Li, coin-type as well as AAA, AA, C, D, N, and 9V batteries. Requires four AA alkaline batteries sold separately. (USA)

Cat. No.	Description	Each
154-001	Multi-Battery Tester	$55.00
473-002	AA Alkaline Battery (four required)	.91



JONARD

Telecom Pliers

Quality pliers are designed in strict accordance with Bell pecifications. Vinyl comfort-grip handles.

759-026 Diagonal Cutting Pliers feature tapered nose with tandard-bevel knives. 0.030 and 0.045" skinning holes and crusher. wo V-shaped stripping notches. 7" OAL. Red.

759-027 Long-nose Pliers feature side-cutter, crushing slot, 0.030" tripping hole and thin knurled nose to facilitate handling wire at erminals. 7" OAL. Yellow.

759-028 Connector Crimping Pliers are designed to press UG, UR nd UY connectors. Built in side-cutter. Special stop behind cut-out revents damage to connectors. 6" OAL.

Cat. No.	Description	Each 1-5	6-11
759-026	Diagonal Cutting Pliers	$17.95	$16.16
759-027	Long Nose Pliers	24.95	22.45
759-028	Connector Crimping Pliers	16.00	14.40

Magnetic Close-Quarters Hex Bit Driver Set



Allows starting nd driving fasteners n tight areas where conventional drivers re not suitable. Solid nodized aluminum with NEO magnet holds firmly while magnetizing nserted bit. Two-piece et includes color coded rivers for 1/4" and 5/16" ex bits. Bits sold eparately. See Jensen's complete line of hex bits nd bit sets on pages 211-213. (USA)

Cat. No.	Description	Each
461-200	Magnetic Close-Quarters Hex Bit Driver Set 2/pc.	$12.95

Battery Conductance Tester



➥ **Perfect for central offices**

Using patented technology, the Micro Celltron can test lead-acid or monobloc batteries up to 12V in common configurations up to 2000Ah. Indicates potential failures, helps prioritize replacements for cost effective system management. Test both cell and intercell strap integrity. Stores 252 test and overall string statistics. Tests each cell in under 10 seconds, entire strings in minutes. Includes tester, printer, IR thermometer, carrying case and cables.

Cat. No.	Mfr. No./Description	Each
281-001	CTM-300 Battery Test Kit	$4110.00
281-002	PC Software and Interface	620.00



Telecom Cable Toolkit

A complete set of tools specifically designed for cable sheath slitting, ring cutting, lacing, sewing, parallel drop wire slitting, switch or panel board terminating - everything needed for cable work. The toolkit comes in a handy padded zippered vinyl carrying case and is perfect for use in the central office or in the field. Kit includes: sheath stripper, sheath slitter, ring cutting tool, curved sewing needle, straight 7" sewing needle, wire loop lacing needle, aerial drop wire slitter and straight, flat metal sewing needle

Cat. No.	Mfr. No./Description	Each
63-020	TK-2 Telecom Cable Toolkit	$165.00

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STANLEY

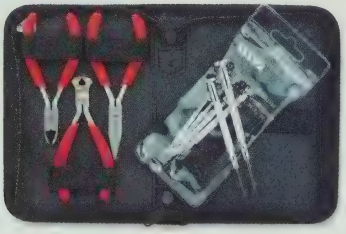
Key Chain Knife/Light

NEW

Designed for convenience and long life. Features a push-button activated LED "solid-state" penlight with replaceable battery. 2 1/16" stainless-steel locking blade. Aluminum handle. Knife opens with one hand. 2 3/4" length closed.

Cat. No.	Description	Each 1-5	6-11
248-005	Key Chain Knife/Light	$14.50	$13.05

NEW



STANLEY

Mini Tool Kit

Compact toolkit stores almost anywhere. Perfect for a variety of uses. Includes 6-piece precision screwdriver set with pouch, 4" flat-nose plier, 4" diagonal cutting plier, 4" end-nipper and water-resistant zipper storage case.

Cat. No.	Description	Each 1-5	6-11
865-682	Mini Tool Kit	$13.95	$12.56



Milwaukee

NEW

PathFinder™ Multi-Angle Wood-Boring Bit Sets

Unique design employs six different cutting edges, allowing the bit to cut forward, backward and on all sides. Cuts straight and curved holes up to 90° with ease. Also channels, grooves, mortises and counterbores. Produces precise, clean holes in wood, composites, chipboard, plasterboard and hard plastics. Drills 2-3X faster than spade bits. Easy to re-sharpen with hand file or grinding stone.

Cat. No.	Description	Sizes	Each
306-800	PathFinder Bit Set, 5 pc.	1/4, 1/2, 3/4, 1 and 1 1/4"	$109.00
306-801	PathFinder Bit Set, 3 pc.	1/2, 3/4, 1"	65.00



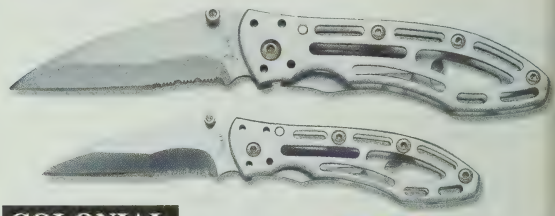
NEW

STANLEY

Locking Blade Pocket-Clip Knives

Easily clip to your pocket or tool belt. Quick one-handed opening and lightweight but durable aluminum handles. Stainless pocket-clip and fasteners. Soft rubber handle inserts. 3 1/2" tempered stainless-steel blade. 4 3/4" length closed.

Cat. No.	Description	Blade	Each 1-5	6-11
248-003	Locking Blade Pocket-Clip Knife	Serrated	$31.00	$27.90
248-004	Locking Blade Pocket-Clip Knife	Smooth	31.00	27.90



COLONIAL Knife Company

NEW

Expedition-series Locking-Blade Knives

Rugged general-purpose knives feature stainless-steel blades and lightweight "skeletonized" aluminum handles. Unique frame locking mechanism is reliable and easy to release one-handed. One-hand deployment. Smooth/serrated blade. Belt/pocket clip.

Cat. No.	Description	Open	Closed	Each 1-5	6-11
540-100	Expedition Knife, Large	7 1/2"	4 1/2"	$19.50	$17.55
540-200	Expedition Knife, Small	6"	3 1/2"	18.00	16.20

Telephone Wiring Video

"Home Telephone Wiring Made Easy" is for those who are looking for an inexpensive way to train in basic telecom installation. Electrical contractors, security installers, home theater technicians, cable TV installers are all starting to install telephone wiring. This video takes you step-by-step through the wiring of an actual home phone line. See what tools and equipment to use, learn troubleshooting tips and how to prevent common communication wiring problems. 14:10 run time.



NEW

Cat. No.	Description	Eac
237-010	Telephone Wiring Video	$11.0





STANLEY
CONTRACTOR GRADE™

Six-Outlet Power Strip

Heavy-duty metal enclosure with rubber ends prevents unwanted movement and damage. Rubber outlet covers. Cord wrap channels store up to 15′ of cord. Multi-use heavy-duty anchor hole for storage and hanging. 6′, 14-gauge power cord with high-grip plug. Lifetime manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
294-003	Six-outlet Power Strip	$14.95	$13.46



ProVision 100™ Fiber-Optic Inspection Scope

- Time and Money Saver for Electricians, Telecom Installers and Other Professionals
- Built-in Illuminator

High-quality, affordable flexible borescope/fiberscope allows detailed viewing into holes and confined spaces with as little as ½" clearance. See behind walls, inside machinery, and more without costly demolition or disassembly. High-resolution lens provides clear image of objects as close as ¾" and over 1′ away. Wide, 40-degree field of view. Powerful 2.4V lamp illuminates dark spaces on-demand with pushbutton on handle. 18" cable adjusts to any position and maintains its position until re-adjusted. Sealed lens is submersible underwater. One-handed focus ring and comfort-designed non-slip handle. Includes rugged storage case. Requires two AA batteries sold separately. (USA)

Cat. No.	Description	Each
301-001	ProVision 100 Fiber-Optic Inspection Scope	$299.00
473-002	AA Alkaline Battery	.91



Tools not included

ORIGINAL Bucket Boss BRAND

Soft Sided Tool Pouch

Tool Holster™ keeps your tools and supplies handy. Made from rugged 600-denier fabric. Features large main compartment with two inside tool loops, three outside pockets, three outside tool loops and twin hammer loops. One size fits 20" to 44" waists.

Cat. No.	Description	Each1-5	6-11
51-009	Tool Holster	$13.95	$12.55

Premium Bungee Cord Sets



Long-lasting rubber core. Soft, durable polypropylene yarn outer jacket offering greater chemical resistance and reduced abrasion to finishes. Heavy-gauge hooks reduce the chance of failure. (USA)

292-010 Standard-Duty Set offers scratch-resistant full vinyl-dipped hooks. Includes 1-30", 1-24", 2-18" and 2-10" cords

292-020 Heavy-Duty Set has 3 times the pull tension and hook strength of standard cords. Dichromate-dipped hooks Includes 2-40", 2-32" and 2-24" cords

292-030 ZipCord™ Adjustable Set is easily adjusted for both tension and length. Molded hooks. Includes 2-60", 2-45" and 2-30" cords.

Cat. No.	Description	Each 1-5	6-11
292-010	Bungee Cord Set, Standard-duty, 6 pc.	$5.95	$5.36
292-020	Bungee Cord Set, Heavy-duty, 6 pc.	15.95	14.36
292-030	Bungee Cord Set, Adjustable, 6 pc.	13.95	12.56

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Flambeau

Kwik-Change Tool/Parts Tote

Versatile storage tote with a tremendous amount of organized space. Front drop-panel reveals four slide-out translucent parts storage boxes with adjustable interior partitions. Top lid with two removable and one fixed storage boxes. Large interior compartment with two medium and one deep storage box. Exterior tool holders on each side of case. Lifetime manufacturer's warranty. 20 1/2 x 12 x 14 1/2." (USA)

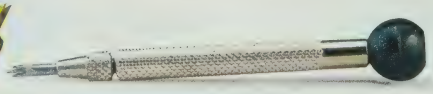
Cat. No.	Description	Each
352-804	Kwik-Change Tool/Parts Tote	$59.95



Telecom Wrenches

Used for getting into terminals and network interface boxes. Wrenches have 3/8" nutdrivers on one end and 5/32" hex screwdrivers with tamperproof hole on the other end. The **63-003** is 8 5/8" in length and the **63-004** is 5 5/8" in length.

Cat. No.	Mfr. No./Description	Each
63-003	TB-178 Terminal Security Wrench	$14.00
63-004	TB-536 Terminal Security Wrench	13.00



Guide Pin Screwdriver

Screw guiding screwdriver for small "hole-in-the-head" screws. The guide pin retracts 9/32" to position the screwdriver for fast screw insertion and removal. Barrel is knurled for a sure grip, and the handle is swivel mounted for easy one-handed spinning. Overall length is 4 5/8". WECO KS-2348.

Cat. No.	Description	Each
63-139	Guide Pin Screwdriver	$15.00



Numbering and Lettering Kits

- Perfect for telecom applications
- High quality permanent ink stamps

Peg stamp number and letter sets painstakingly hand crafted to provide high quality permanent labels for switch board panels, terminal boxes, sub-assemblies, chassis and more. Each kit contains everything you need housed securely in a lightweight compact carrying case, so you are always prepared for alphanumeric marking applications. Perfect where self-adhesive labels just won't do.

Each kit contains:

- High impact plastic carrying case: 16 5/8 x 9 x 9".
- Peg stamps: 3/4", 3/8", 1/4", 3/16", 1/8" and (63-002 only) 5/64".
- Stamp repair set: Adhesive backed letters, numbers and symbols in the following sizes - 3/8", 1/4", 3/16", 1/8" and (63-002 only) 5/64".
- Fuse capacity stamps: 3/8" and 3/16".
- Stamping ink (two of each per kit): black, white, yellow and red.
- Spreading knife, marking remover, brushes (4), inking plate and bottle w/dauber.

Cat. No.	Mfr. No./Description	Each
63-001	N-2315 Numbering & Lettering Kit	$249.00
63-002	N-2315A Numbering & Lettering Kit w/ 5/68" Stamps	265.00

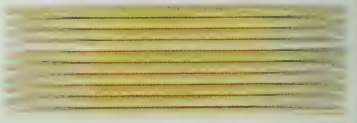
Insulated Cable Lacing Needle



An insulated version of the popular Evans type curved notched lacing needle used to lash telecom cables. Designed for professional heavy-duty use, it has an anodized aluminum handle and an easily replaceable blade. Overall length is 5 5/8".

Cat. No.	Mfr. No./Description	Each
63-005	N-287INS Insulated Cable Needle	$18.50
63-287	N-287A Replacement Blades 6/pk.	19.95
63-007	Replacement Pre-shrunk Insulation	3.00

Orangewood Sticks



- WECO KS-6320
- 7" length

Cat. No.	Description	Each
63-006	Orangewood Sticks 10/pk.	$8.50



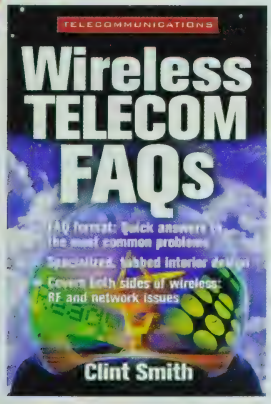
VGA-Plus Computer Monitor Tester

- Extremely portable
- Extended burn-in capabilities



The VGA-Plus is a compact and versatile computer monitor tester. With 16 switch selectable functions, you can diagnose, repair and test all VGA type monitors, projectors, LCD displays and video capture equipment without the need of a computer. The VGA-Plus will test for Purity, Blank Raster, High Voltage Regulation, Pincushion, Convergence, Linearity, Color Balance, Sync Rate and provides sequencing functions which allow extended burn-in testing for Fixed Scan, Multi Scan or Multi Scan with Power Cycling (Energy Star/Nutek compliant monitors). The tester is equipped with a DC power jack and has a 15-pin high-density female D-Sub connector. The unit measures 2.25" x 2.18" x .65" and is powered with a 9-volt battery not included.

Cat. No.	Description	Each
269-001	VGA-Plus Computer Monitor Tester	$79.00



Wireless Telecom FAQs

Wireless newcomers and veterans alike can find all the get-ahead answers on technology and networking basics they need in an easy-access, frequently asked question (FAQ) format. Written with a balanced, vital overview of these aspects of the wireless industry: technologies, network systems, radio systems, implementation, real estate, RF, filters, antennas, design guidelines, traffic engineering, performance, and more. Also covers the basics of cellular and PCS, TDMA, CDMA, and GSM. 450 pages.

Cat. No.	Description	Each
960-040	Wireless Telecom FAQs	$39.95

Standard Pneumatic



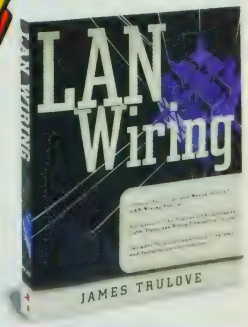
Wire Wrap Gun Cutting & Stripping Attachment

The model 650 allows the operator to cut to length and strip the wire in one simple operation. The length of the wire to be cut is fully adjustable. Different gauge stripping blades can be interchanged quickly and easily. Fits on all Standard Pneumatic Wire Wrap Guns on page 192. Blades not included.

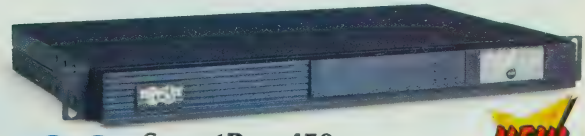
Cat. No.	Description	Each
316-101	Cutting & Stripping Attachment	$128.00
316-102	22 AWG Stripping Blade	13.00
316-103	24 AWG Stripping Blade	13.00
316-104	26 AWG Stripping Blade	13.00
316-105	28 AWG Stripping Blade	13.00
316-106	22-24 AWG Stripping Blade	21.50

LAN Wiring

A concise source of the latest information on local area network wiring. It includes extensive details on both copper and fiber cabling for all types of LAN topologies, including Ethernet, Fast Ethernet, Token-Ring, 100VG-AnyLAN, Arcnet, ATM, and FDDI. Diagrams, tables, and photos provide quick reference on wiring details, while comprehensive descriptions of concepts, planning, and management of the physical layer provide needed information for network managers, designers, and installers. 307 pages.



Cat. No.	Description	Each
960-030	LAN Wiring	$44.95



TRIPP LITE POWER PROTECTION

SmartPro 450 Rack-Tower UPS System

- 19" standard rackmount (1 rack space)
- Complete surge protection & EMI/RFI noise filtering

Provides intelligent, line interactive battery backup for networks, servers, and hubs/routers/switches. Innovative design makes it adaptable for rackmount, wall-mount, under-monitor, and tower applications. Provides 450 VA (270 watts) of battery backup and allows you to work through short blackouts of up to 20 minutes or safely shut down during longer ones. The unit has 5 AVR (automatic voltage regulation) protected outlets (4 UPS & surge + 1 surge-only outlets), diagnostic LED's that indicate 17 performance conditions and a built-in serial port that works with PowerAlert Software to provide automatic unattended shutdown. 6 ft. cord. **Equipment and racks on page 130.**

Cat. No.	Description	Each
205-054	SmartPro 450 Rack-Tower UPS System	$299.00

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JENSEN® STANLEY Foreign Object Damage Prevention Tool Control

A successful tool control program will save time and reduce costs by preventing loss that can occur when a tool is left behind at a jobsite. Jensen Tools is the single source for your Tool Control/FOD needs.

- Personalized service and quality guaranteed
- Flexible customized solutions including, tools, cases, cabinets, foaming and laser etching, utilizing the highest quality products and technology available
- A diverse source of tools and equipment from worldwide manufacturers
- Proven quality solutions backed by Jensen's guarantee

Start your Tool Control Program now!
Let us submit a quote.
Call: 800-426-1194, ask for Tool Control
Fax: 602-431-0652
E-mail: sales@stanleyworks.com

1. Portable foamed kits



2. Travel tough hard sided-cases



3. Entire wheeled or fixed workstations



JENSEN®
4-Sided FOD / Tool Control Cases

- High Visibility
- Durable, versatile design for mobile or travel applications.

A unique, four-section case that can utilize foam customized to your specific needs as well as Do-it-yourself foam pallets. Case features see-through retainer panels to keep contents secure. Shell is vacuum formed of high-density polyethylene. Additional features include spring-loaded handle and 1/4-turn latches, telescoping handle, two ball bearing recessed rubber wheels, two hasps that secure both sides of case with the use of a padlock.

Cases are available with Do-it-yourself foam pallets. Foam is comprised of high density, closed cell, polyethylene material that is resistant to Skdrol and other industrial solvents. Foam is easily cut to accept tools up to 1" in depth. Detailed instructions included.



Tools not included

Cat. No.	Description	Each
54-198	Case and Foam 17 3/4 x 14 1/4 x 12"	$459.00
54-195	Case only 17 3/4 x 14 1/4 x 12"	$299.00
54-6590*	Case only 21 x 17 x 12" (not shown)	$469.00

* 21x17x12" case not available with Do-it-yourself Foam

JENSEN®
Two-Color Foam Tool Organizers

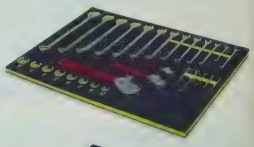
- Do-it-yourself tool control
- Fits tool drawers up to 39 x 26 1/4"

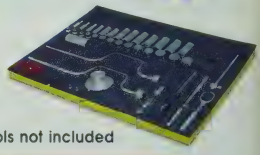
Cost effective alternative to custom foam for portable and smaller fixed applications. Add foam sets easily as your tool control needs expand. Same high quality closed-cell polyethylene foam used in Jensen's custom tool organizers. Resists Skydrol and other industrial solvents. Two-color foam is easily custom cut by the user with included layout sheets. Simply arrange tools on layout sheets, trace outline, transfer to foam and cut. Each single foam set includes one 39 x 26 1/4 x 1/2" blue foam sheet with permanent adhesive back; one 39 x 26 1/4 x 1/4" yellow foam sheet; two layout sheets with adhesive back; detailed instructions. Order optional **68-200** precision knife (see page 227) and **39-244** 24" rule (see page 231) below for accurate and easy cutting.

277-001 includes one foam set.
277-002 includes five foam sets.









Tools not included

Cat. No.	Description	Each 1-4	5-9
277-001	Foam Tool Organizer 1/pk.	$52.00	$ 49.40
277-002	Foam Tool Organizer 5/pk.	255.00	242.25
68-200	Optional Precision Knife	4.95	-
39-244	Optional 24" Stainless Rule	34.50	-

HARRIS

TS1000™ ADSL Test Set

➥ Alcatel DMT compatible ➥ Quick & easy service verification
➥ Battery powered ➥ Durable

Harris, the industry leader in POTS and ISDN testing technology, now offers the TS1000 handheld unit for ADSL testing, verification and troubleshooting. The TS1000 gives the line test technician a greater range of analysis capability for field installations, and is ideal for the IT manager for reducing on-site repair expenses.

Features

Display Up and Downstream parameters
- Attainable bit rate
- Maximum bit rate
- Noise margin
- Relative capacity
- Output power
- Attenuation
- Channel bit rate

Firmware upgradable
Extra strong combi-cord with angle clips and RJ-11 plug

The TS1000 gives you the ability to easily synchronize with the service provider's CO DSLAM before or after the splitter, lets you isolate the failure cause between the customer's on-site equipment and the service provider, and allows you to validate service activation and compare the actual throughput against the subscribed rate. And for continuing bandwidth expansion, the TS1000 lets you measure for maximum line capacity. Advanced features allow you to monitor the noise margin, power level and attenuation simply by scrolling up of down the navigation buttons.

Designed to withstand unfavorable field conditions, the TS1000 features a backlit LCD display for low light conditions and is housed in a durable splash-proof casing. Lightweight and portable, the TS1000 test set combines ease-of-use with advanced ADSL testing technology. Measures 4 x 8.3 x 2".



Cat. No.	Mfr. No./Description	Each
237-100	TS1000 ADSL Test Set	$1750.00

BIDDLE INSTRUMENTS

Multi-Megger® Insulation Testers

Now you have an all-in-one insulation tester/multimeter. In addition to extremely high sensitivity insulation testing to 200 GΩ you have complete multimeter test functionality and the ability to view the insulation measurement in terms of leakage current. They all feature a mV range which allows them to use many types of transducers such as current clamps, thermocouples and more. The have analog/digital backlit displays.

The **BMM2000** series augments the insulation and continuity ranges with a number of features found on multimeters. They include autoranging voltage, resistance and current measurements. They accept current clamps for high current measurement.

The **BMM2500** series adds comprehensive data storage with individual test results stored against user selectable distribution board and circuit references. Or datalogging of up to 300 consecutive measurements of any parameter at user selectable time intervals. Memory is non-volatile. Memory can be printed or downloaded with included Windows software.

The **BMM80** offers all the features of the popular BM80/2 plus a lot more. Five insulation test ranges, including 50 and 100V plus a mV input range for use with current clamps, temperature adapters, microwave leakage probes and more.



	BMM80	BMM2080	BMM2580	BMM2000	BMM2500
250, 500, 1000V	x	x	x	x	X
50, 100V	x	x	x		
Hot line warning	x	x	x	x	X
Locking test button	x	x	x	x	X
Max insulation range	200GΩ	200GΩ	200GΩ	20GΩ	20GΩ
Leakage current		x	x	x	X
Volts AC or DC	0 ~ 500V @ ±2%				
mV AC or DC	0 ~ 1999mV @ ±2%				
mA AC or DC	n/a	0 ~ 500mA @ ±5%			
Resistance	0kΩ ~ 9.99MΩ @ ±3%				
Capacitance	0.0nF ~ 9.99µF @ ±3%			n/a	
Frequency	n/a	16 ~ 460Hz @ ±1%			

Cat. No.	Mfr. No./Description	Each
293-005	BMM2580	$1355.00
293-004	BMM2500	850.00
293-003	BMM2080	1255.00
293-002	BMM2000	750.00
293-080	BMM80	1195.00



NEW

testo

Air Velocity Meter

➥ Velocity ➥ Temperature ➥ CFM

A well designed meter for measuring air flow, air speed and air temperature. It is perfect for spot checks of HVAC systems, and it is sensitive enough to detect leakage of air around doors and windows. Design features make this product very useful and easy to use: folding probe make for compact size, easy storage. Swivel display and control head for easy operation and viewing at any angle. One button operation. Measures velocity from 0 to 2000 feet per minute, temperature from -4 to +120° F and flow from 0 to 10,000 cubic feet per minute.

Cat. No.	Description	Each
283-405	Air Velocity Meter	$129.00

NEW



testo

Compact Digital Manometer

A no-nonsense design for measuring differential pressure. Applications include; pressure drops across fans or filters, flow pressure measurements and positive/negative pressure measurements in compressed air control systems. Design elements include a very compact size, one-button operation, automatic power off, magnetic back for hands-free operation and flexible hose included. The unit measures from -10" to +50" H2O.

Cat. No.	Description	Each
283-505	Compact Manometer	$99.00



NEW

testo

Innovative Humidity Meter

➥ Temperature ➥ Relative humidity ➥ Dew point

An innovative design coupled with advanced features make this meter a good value. The display and control head swivels completely around for easy access and viewing. The probe itself has a clip for pockets or to attach to an air duct register. Twist the end of the probe and the sampling window is closed, protecting the sensor. The meter measures temperature in Fahrenheit, relative humidity in % and dew point in degrees Fahrenheit. This is the only tool we carry which measures dew point. Temperature and dew point ranges -4 ~ 160° F, humidity range 5 to 95%.

Cat. No.	Description	Each
283-605	Humidity Meter	$89.00

HARRIS

D914™ S SoftTouch Punch Tool



NEW

➥ Lifetime warranty
➥ Soft rubber handle
➥ Accepts all Harris blades

The new D914S impact punch tool provides better comfort and performance through a new ergonomic design. A soft rubber handle and rounded edges provides for a better a better grip to reduce hand fatigue, especially while performing numerous wire terminations. In addition, the D914S tool has all of the same great features as the industry standard Harris D914 tool and is backed by a full lifetime warranty. And it accepts Harris' standard quarter turn blades.

Cat. No.	Mfr. No./Description	Each
237-300	D914S SoftTouch Punch Tool	$62.50

Tool Tip

Dew Point vs. Relative Humidity

Relative humidity is the ratio expressed as a percentage of the amount of water vapor present in air at a certain temperature versus the maximum amount of water vapor air at that temperature can hold. Dew point is the temperature at which air becomes saturated and dew forms.

Thus dew point is a much more relevant measure of both comfort level and water vapor content since it is not temperature-dependent as is relative humidity. For example relative humidity could drop by as much as 50% as the temperature rises, while the dew point would actually rise along with the temperature.

BIDDLE INSTRUMENTS

Power Clampmeter

- Data storage
- Waveform viewing on-screen
- 2000 amp capacity



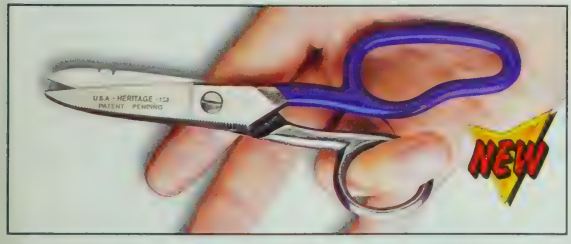
Voltage	0.000~750V @ ±1.0%
Current	0.00~2000A @ ±1.5%
kW/kVA	0.000~1200kW/kVA @ ±2.5%
kVAR	0.000~850kVAR @ ±2.5%
kWH	0.000~40,000kWH @ ±0.5%
Frequency	0.0Hz~1kHz @ ±3%
Crest factor	1.00~5.00 @ ± 3-5%
Total harmonic distortion	1.0~600.0% @ ±3-5%
Distortion factor	1.0~100.0% @ ±3%

The DCM2000P combines the functions of oscilloscope, power meter, harmonic analyzer and data logger. It is built to 1010-1 600V Cat IV supply side safety standards. The large backlit display shows multiple parameters simultaneously It can measure DC and AC voltage up to 600V. DC, AC and DC+AC current up to 2000A. Also energy consumption, frequency, crest factor, total harmonic distortion, distortion factor and ripple. It has a built-in three-phase adapter.

View harmonics out to #25 and display waveforms in realtime. Measure true power, apparent power, reactive power and power factor. The unit measures in true RMS mode for accurate readings on all non-sinusoidal waveforms, both current and voltage.

This battery powered precision power meter can store up to 5000 readings. The maximum logging period is determined by battery life and memory capacity (about 24 hours battery life in this mode). The optional PowerLog software allows datalogging directly to a PC and downloading of stored logs. PowerClamp comes with test leads, carry case and manual.

Cat. No.	Mfr. No./Description	Each
293-006	DCM2000P	$1195.00
293-008	PowerLog Software	149.00



Low Fatigue Electrician's Snips

Finally an electrician's scissor which isn't painful to use. Unique large, padded ring adds leverage and spreads pressure. Fits the hand better for less fatigue. New ice-tempered stainless steel construction means no rust, peeling, discoloration, irritation. Serrated with strip notches. (USA)

Cat. No.	Mfr. No./Description	Each
458-150	150 Large Ring Electrician's Snips	$16.00

BIDDLE

Cable Height Meter



- Accurate and safe
- Designed for telecom

Utilizing ultrasonic signals the CHM2000 determines the height of overhead cables and wires without contact. It is designed to measure the height of the lowest or highest cable and give the distance between up to six cables. It operates on telephone, power, CATV and street lights. Built into the unit is an air temperature measuring port directly connected to the microprocessor to maintain accuracy at any temperature.

Measurements are displayed in feet and inches or meters. The range is from 7' to 35' on cables of 1/4" to 1" in diameter and from 7' to 32' on cables 1/8" in diameter. The resolution is to the nearest 1/4" and the accuracy is typically 0.5%. Operates within specifications at air temperatures between +14° and 113° F. 9V battery included.

Cat. No.	Mfr. No./Description	Each
293-001	CHM2000 Cable Height Meter	$385.00



FLUKE.

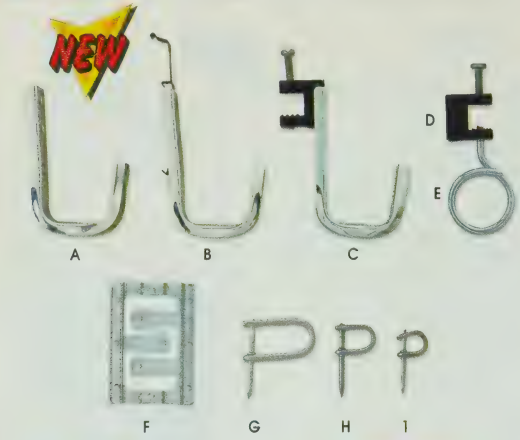
Instrument and Tool Bag

- Tough ballistic nylon
- Over 20 pockets

A very tough ballistic nylon contractor's bag constructed on a steel frame. It is designed to offer the maximum size in storage and transport of your Fluke instruments, accessories, spare parts, documentation and tools while staying as lightweight as possible Many pockets throughout Main compartment secured with heavy duty dual zippers Handles and shoulder strap included Water resistant. Measures 12 x 20 x 9".

Cat. No.	Mfr. No./Description	Each
317-463	C550 Nylon Tool Bag	$60.00

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Thomas&Betts
Spring Steel Fasteners

➥ **Provides an easy alternative for wire installations**

Bridal ring (requires beam clamp), drive rings, and J-Hooks all offer a quick and economical means of installing and supporting network, telecom, and CATV cabling inside and outside the building. The low voltage mounting bracket eliminates the need for an electrical box when installing low voltage Class 2 wiring.

Cat. No.	Key	Description	Each
462-076	A	2" Cable Support J-Hook 50/pk.	$75.00
462-078	B	2" Cable Support J-Hook w/clip to #12 drop wire 25/pk.	48.00
462-077	C	2" Cable Support J-Hook w/Beam Clamp 25/pk.	60.00
462-070	D	Stamped Steel Beam Clamp 100/pk.	51.00
462-071	E	1 5/8" Bridal Ring 100/pk.	65.00
462-072	F	Low Voltage Bracket 100/pk.	65.00
462-075	G	7/8" Drive Ring 25/pk.	9.00
462-074	H	5/8" Drive Ring 25/pk.	5.00
462-073	I	1/2" Drive Ring 50/pk.	8.00



FISKARS®
Comfort-Grip DataCom Scissors

Designed for comfort, in the manner technicians actually use them, in the palm of the hand. Form-fitted palm loop and finger rest for greater control. Tapered tips for tight spaces. Stripping notches. Fine serrations for strong gripping. Solid steel rivet. For use with copper or fiber-optic cable. (USA)

Cat. No.	Description	Each 1-5	6-11
51-485	Comfort-Grip Datacom Scissors	$13.50	$12.15



M10 Professional C-cell Flashlight

One of the most powerful and rugged flashlights in the industry. Body constructed of Xenoy® polymer with unbreakable hi-temperature polycarbonate lens. Thermoplastic rubber grip and head resists chemicals and provides a sure grip. Pre-focused xenon lamp module. O-ring sealed. Requires four C-cell batteries. Safety yellow and black. 11 x 2". (USA)

Cat. No.	Mfr. No./Description	Each
432-010	M10 Professional C-cell Flashlight	$34.50
432-011	Replacement Lamp Module for M10	11.95



SARGENT®
Uni-Seal Drop Tool

➥ **Works with Thomas & Betts, Gilbert, PPC and Antec/Digicon**

A universal tool for RG6 and RG59 male F environmental compression connectors produced by Thomas & Betts, Gilbert, PPC, Antec/Digicon and others. The tool incorporates high mechanical advantage to reduce compression force during connector installation and an ergonomic design minimizes user fatigue. A toggle action is used to assure complete connector sealing which eliminates the need for a complicated ratchet mechanism and the cable positioner provides 360° connector support during compression. This eliminates faulty compressions such as tight nuts, bent connectors or popped o-rings.

Cat. No.	Description	Each
685-015	Uni-Seal Drop Tool	$62.50

Agilent Technologies

Aurora[presto] ADSL Tester

➥ ADSL layer testing ➥ Optional DSLAM, IP and ATM testing ➥ Handheld package



The Aurora Presto has been developed to provide all the functions necessary for a technician to install, maintain and troubleshoot Asymmetric Digital Subscriber Lines and services. This compact flexible and simple-to-use unit can provide Analogue line testing, ADSL layer testing with "Golden Modem" operation and ATM layer or IP application layer testing, all using easy "one touch" fully automatic testing or manual "expert" mode for more in-depth diagnosis. Fully automated Go/No go testing is provided from up to 20 selectable user-defined test profiles which may be edited on screen or via PC.

Aurora Presto with the ATU-R can function as a "Golden Modem". In this mode the Presto completely replaces the remote modem, connecting to the user equipment through either its built-in 10 Base T Ethernet port or the optional ATMF 25.6 interface card. With the modem card installed the Presto can measure Upstream/Downstream rates and DMT BIN capacity, perform line BERT and other quality tests including noise determination, providing results in exportable text or graphical form. Tests include: ATU-C (Central Office Modem) simulating Network to Modem/DTE or ATU-R (Remote Modem) operation simulating Modem to DTE or DTE/Modem to Network. Upstream/Downstream rates and DMT BIN capacity. Golden modem through-line and termination mode testing. Line BERT and quality tests. Noise tests with graphical results.

With ATM providing the main transport technology for ADSL networks, Aurora Presto takes several steps ahead of similar testers with it's full ATM layer cell stream handling. The ATM layer tests provide actual useable data throughput - a function not available with "ADSL Layer only" testers. ATM Layer test functions include; ATMF 25.6 interface, AAL-5 statistics and analysis, ATM BERT measurements, VCI/VPI Statistics and Errors, ATM DTE BERT testing, ATM cell steam throughput tests, Storage of test results for export.

As part of the IP test support, aurora Presto can perform IP PING functions to terminals through the 10BT port and through the ADSL interface on a specified ATM VCI/VPI including payload supported and multiple PING test selection. Using an advanced MAC Bridge learning process, the user never needs to know the direction or origin of the PING to perform the test. The Aurora Presto brings simplicity to a complicated world. ADSL pair Ethernet/ATM25.

Cat. No.	Description	Each
218-100	Presto xDSL Tester ATU-R	$2995.00
218-120	Presto xDSL Tester ATU-R, ATU-C	4995.00
218-130	Presto xDSL Tester ATU-R, ATU-C, ATM 25.6 DTE	6995.00

IDEAL

Battery Powered Cable Cutter Kit



➥ Eliminates operator fatigue and stress

Cuts up to twenty 750 KCMIL hard drawn copper cables before recharging and can handle up to 1,000 KCMIL soft copper and aluminum. A switch lever moves the blade to forward, reverse and neutral positions and the tough ABS housing resists oil, solvents and endures rugged use. The attached wrist loop helps prevent from dropping the tool. 12V NiCd battery recharges in approximately 1 hour for an 80% charge and 14 to 16 hours for a 100% charge. Kit includes cutter, battery, 220V charger and carrying case.

Cat. No.	Description	Each
600-056	Battery Powered Cable Cutter Kit	$650.00
600-057	Spare Battery	87.00



3M

"Zipper" Style ESD Wrist Strap

Economical and convenient ESD protection. Easy on, easy off "zipper" style latching mechanism. Thermoplastic band with integrally molded conductive interior. Includes lightweight 5' coiled grounding cord. 4mm snap. Blue. (USA)

Cat. No.	Description	Each 1-5	6-11
872-650	Zipper Style ESD Wrist Strap	$8.95	$8.05

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



1 1/8" Heavy-Duty SDS-Plus Rotary Hammer

3-way operation offers rotation with hammer, hammer only or rotation only. Trigger variable speed control for smooth, controlled starts while hammering with rotation in concrete and masonry, or drilling without hammering in wood and metal. D-style handle for maximum drilling pressure and minimum fatigue. Slip clutch stops rotary action if bit jams. SDS-plus/Quik-Lok chuck system. 0-800 RPM and 0-4100 BPM. 6.8-amp motor. Double insulated. 1 1/8" solid bit, 1 1/2" wood flat boring, 5/8" steel twist drill, and 3 1/2" core bit capacity. Includes side handle, depth gauge, Quik-Change chuck adapter, 1/2" 3-jaw chuck and steel carrying case. (USA)

Cat. No.	Description	Each
306-303	1 1/8" Heavy-Duty SDS-Plus Rotary Hammer	$579.00



platt
Professional cases for business and industry

Tools and pallets sold separately

Guardsman™ ATA Tool Case with Wheels and Telescoping Handle

This heavy-duty tool case is made of HMW polyethylene and has a continuous industrial frame to form a strong, but lightweight case. Hardware is recessed for stackability and protection. Additional features include heavy-duty twist-draw latches, padlock hasp, full-length piano hinge, spring-loaded handles, literature pocket and foam in bottom. Telescoping handle extends to 3'. Case will accommodate Jensen pallets measuring 17 3/4 x 14 1/2".

Cat. No.	Description	Dimensions (ID)	Weight	Each 1-2	5-9
373-250	ATA Tool Case	18 1/2 x 14 1/2 x 9 3/4"	22 lbs.	$469	$431

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JENSEN TOOLS INC.
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JTK®-53

Deluxe Communications Kit

NEW

- Jensen's most versatile communications kit
- Choose from three case styles

The JTK-53 is our most versatile tool kit for the installation and maintenance of communications equipment. Service all your voice and data equipment including phone switches and data networks.







3 Year Warranty on all Jensen Polyethylene cases (see page 5)

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
685-002	RG59/6 Ratcheting Crimp Tool	130	$52.00
600-360	RJ-11/RJ-45 Modular Crimp Tool	153	49.95
414-004	RJ Jack Identifier	117	32.95
454-002	PocketToner Termination Tester	130	75.95
759-053	Hand Wrapping Tool	191	53.00
759-043	Hand Unwrapping Tool	191	25.95
63-013	Ring Cutting Tool	197	26.25
JTM-105	Jensen JTM-105 DMM	70	219.00
JTS-30	Telecom Test Set	179	150.00

All JTK-53 Tools in boldface italic are backed by Jensen's Lifetime Guarantee ***(See page 4)***

114 Tools in all:

Burnisher, pocket
Cable cutter, data cable
Cable stripper, coax/twisted pr.
Drill 3/8" corded keyless
Drill bit set, 13 pc.
Electrical tape
Fish tape, 50' steel
Flashlight
Hammer, claw
Handle, driver blades (2): 3 1/8, 4 1/8"
Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Knife, electrician's
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Pick up tool, 4-prong
Pliers (7): long nose w/cutter, 6 1/2"; miniature long nose, 4 7/8"; diagonal cutter, 4 3/8"; diagonal cutter, 5 1/4"; groove joint, 10"; retaining ring, external/internal; lineman's, 9"
Probe pick
Punch, center 3/32"
Punch, pin (2): 1/16, 1/8"
Punch-down tool w/66 and 110 blades
Rule, stainless steel 6"
Safety glasses
Scissors, electrician's
Scribe, ice pick type 8"
Screwdriver, offset ratchet, Phillips/slotted
Screwdriver, Phillips (5): #0x3" pocket clip, #0x2", #1x3", #2x4", #2x1 1/2" stubby
Screwdriver, slotted (6): 1/8 x3" pocket clip, 1/8 x 8", 3/16 x 3", 5/16 x 6", 1/4 x 4", 1/4 x 1 1/2" stubby
Screwdriver set, jeweler's, (7 pc.)
Socket set, 1/4" drive, (14 pc.)
Solder aid, fork and hook
Soldering iron, 115V
Solder pocket pack, 60/40
Staple gun 1/2" with staples
Tape measure 26'/8M
Tweezer, reverse-action 4"
Wire crimper/stripper
Wire stripper/cutter
Wrench, adjustable (2): 4", 8"
Wrench set, ignition (8 pc.)
Tool case with pallets

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 7)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-53WW	Deluxe Communications Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 10"	42	Side Hinge	$999	$919	377-495	315
JTK-53WD	Deluxe Communications Kit	Roto-Rugged "Tote"	10*	17 3/4 x 14 1/2 x 12"	42	Side Hinge	1009	928	377-496	325
JTK-53ST	Deluxe Communications Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/4"	32.5	Side Hinge	839	772	54-102	149

*Not pictured. Features heavy-duty 1/4 turn latches, spring-loaded handle and padlock hasp. Does not include combination lock.

FLUKE

1520 MegOhmMeter

- Three voltage ranges
- Large, backlit display
- Measures AC/DC volts and low Ohms

For testing insulation resistances up to 4000MOhms and AC/DC voltages up to 600V. The Fluke 1520 offers an enormous backlit LCD which displays both an analog bargraph and digital readings simultaneously. It autoranges to the proper test voltage; 250, 500, or 1000V. It also automatically switches to voltage test when it detects either AC or DC voltage greater than 30V. Switch to the Lo-Ohms function for testing connections. It even has a last reading memory display function. The 1520 safely autodischarges the test capacitors when done. It is housed in a rugged, splash-proof case with impact absorbing rubber holster.

The 1520 comes with TL27 heavy duty test leads, TP74 lantern tip test probes, AC86 large jaw alligator clips, protective holster with hand strap, carrying case with accessory storage, four C-cell batteries, instruction manual. It measures 9.5 x 4.25 x 2.85" at 2.5 pounds. It carries a three year factory warranty. It will accept the TPAK hanging kit.

Specifications			
Function	Range	Accuracy	Resolution
Insulation resistance	4.000MΩ,40.00MΩ	To 100MΩ ±2%	0.001MΩ to 10MΩ
Auto ranges	400.0MΩ 4000MΩ	Over 100MΩ ±10%	
Test voltages	250, 500, 1000	+20%, -0%	
Lo-Ohms resistance	0 to 40.00Ω	±2%	0.01Ω
Analog bargraph	0 to 100Ω		
Resistance	4kΩ	±2%	1Ω
Analog bargraph	0 to 10kΩ		
Voltage	0 to 600V	±2%	1V

Cat. No.	Description	Each
317-152	1520 MegOhmMeter	$649.00
317-561	TPAK Hanging Kit	25.00



Ergonomic Wire Wrapping/Unwrapping Tools

- Ergonomic design minimizes repetitive stress
- Rugged construction for field use

The PTX Series is an ergonomic tool that includes a lightweight, well-balanced construction, dual-finger short-throw trigger, and a long handle to mitigate pressure on the palm. These features help to prevent repetitive stresses. The tools will wrap 20-30AWG wire and is compatible with the bits and sleeves on page 193. Both tools have a high power motor and are capable of wrapping and unwrapping with the flick of a switch. The battery operated gun does not include battery or charger.

Cat. No.	Description	Each
125-010	Battery Wrap/Unwrap Tool	$235.00
125-011	Battery	45.00
125-012	Battery Charger 115V	57.50
125-014	Electric Wrap/Unwrap Tool 115V	235.00
125-015	Electric Wrap/Unwrap Tool w/Backforce	245.00



FLUKE networks

Optical Fiber Test Installer Packages

- Tests multimode fiber at 850 & 1300nm wavelengths

Fiber Test Installer packages from Fluke allow you to test and inspect multimode fiber optic links quickly and efficiently. The FTI Basic Package includes the FM130 Fiber Meter, FOS-850/1300 LED source, Fiber Optic Reference Guide and Hard Carrying Case. This kit is best suited for contractors who only have a few fiber links and don't need automated recording of test results. The FTI Pro Package includes the FM150 Fiber Source, Data-LINK™ Software, Fiber Optic Reference Guide and Hard Carrying Case. This kit is ideal if you require documentation and report generation needs. It will automatically store up to 500 records of test data that can be uploaded to your PC via the Data-LINK™ Software. The FT120 Fiber Viewer is included with both packages and is for inspections of multimode fiber end-faces to ensure that your termination is smooth and clean and ready for optical transmission. The optional FT140 is for singlemode installations. Both scopes contain a special safety filter that protects your eyes by screening harmful infrared light. The optional LS-1310/1550 Laser Source is used for singlemode applications.

Cat. No.	Description	Each
317-196	FTI Basic Package	$1490.00
317-198	FTI Pro Package	1990.00
317-194	FT140 400X Fiber Viewer	395.00
317-011	LS-1310/1550 SingleMode Laser Source	2995.00



Please have this code available at time of order.

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JTK®-66 Electrician's Tool Kit

➥ **Industry Standard Tools**

Perfect for electrical, low voltage and general maintenance work. Heavy-duty 5" wide nylon belt provides lumbar support. Tool pouch has large main pouch with tool holders, formed front pockets, side tool loops, tape measure clip and chain toggle for electrical tape. Outlasts leather work belts. Tool pouches are movable on the belt for a custom fit and feature Velcro® strips to keep pouches in place.

All JTK-66 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Electrical tape 3/4"
Pliers, diagonal cutter 8"
Pliers, long nose w/side cutter 7 1/2"
Pliers, lineman's w/fish tape puller 9"
Pliers, groove joint 10"
Screwdriver, #1 Phillips
Screwdriver, #2 Phillips
Screwdriver, 3/16 x 3" slotted
Screwdriver, 6" slotted
Stripper/cutter 10-18g solid wire
Tape measure 25'/7.5M
Utility knife
Wrench, adjustable 8"
Work belt and pouch

Warning: Tools do not provide protection against electrical shock. Do not use on or near live electrical circuits.







Optional Universal Tool Bag has large main pocket, upper and front pocket, pencil pocket and hammer holster on both sides.

Cat. No.	Description	Size	Weight	Each 1-2	Each 3-9
JTK-66M	Deluxe Kit, Medium	31-35"	7.5 lbs.	$189	$174
JTK-66L	Deluxe Kit, Large	35-39"	7.5 lbs.	189	174

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
897-125BK	Universal Tool Bag	68	$24.50
JTM-63	Digital Multi Meter	70	65.00
JTM-39	Clamp Meter	71	199.00

FLUKE networks™

NEW

FT300 FiberInspector™

➥ **Inspects all types of installed fiber terminations**

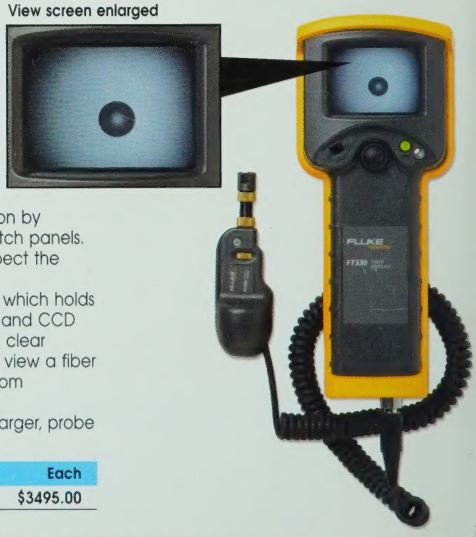
➥ **Provides crisp, clear images of microscopic debris and end-face damage**

The FT300 FiberInspector™ is a portable video microscope that provides superior vision by enabling you to inspect all types of installed terminations in hardware devices and patch panels. Instead of removing each individual fiber, you need only insert the video probe to inspect the fiber while still in place.

It's comprised of a handheld 2.5" LCD display unit and a small, light-weight probe, which holds itself in place for hands-free operation. The probe contains a long-life LED light source and CCD video camera. When the probe tip mates with a bulkhead adapter, it projects a crisp, clear image of microscopic debris and end-face damage. The video display allows users to view a fiber end-face without looking directly into the fiber, eliminating any harmful infrared light from reaching the eye.

FT300 FiberInspector™ kit includes Fiber Probe, Fiber Display, AC adapter/battery charger, probe adapter tips (ST,SC,FC, and universal 2.5 mm patch cord tip) and hard carrying case.

View screen enlarged



Cat. No.	Description	Each
317-333	FT300 FiberInspector™	$3495.00

Order Line: 800-426-1194 or 602-453-3169 24 Hour Fax: 800-366-9662 or 602-438-1690
Online Catalog: www.jensentools.com